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Pocket Atlas of

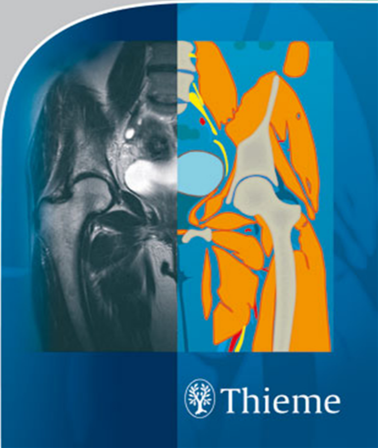
Sectional Anatomy

Computed Tomography and Magnetic Resonance Imaging

T. B Moeller
E. Reif

Volume III:
Spine, Extremities, Joints

basic sciences



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Pocket Atlas of Sectional Anatomy

Computer Tomography and Magnetic Resonance Imaging

Volume 3
Spine, Extremeties, Joints

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For my American relatives

Bernie and Arlene, Bryan, Nancy,
Rick and Bill, Shirley, Mike, Michael,
Austin and Amanda, Audrey, Mike,
Kristin and Katelyn, Claudia, Dale,
Bryan, Jamie, and Meghan

Preface

Magnetic resonance imaging (MRI) of the musculoskeletal system is an established and important component in the diagnosis of diseases of the joints, soft tissues, bones, and bone marrow. We are therefore pleased to collect together images of the joints and the spinal column in a separate volume on the musculoskeletal system. Demonstrating the growing importance of new developments in MRI in recent years, with ever-increasing resolution, many images were acquired with 3-tesla units. We are deeply grateful to the manufacturers, Siemens and Philips, for making this possible.

We believe that colored atlases are the ideal medium to represent the highly detailed images achieved nowadays with improved resolution techniques. Volume 3 of the *Pocket Atlas of Sectional Anatomy* provides a color illustration facing each magnetic resonance image, as in the preceding volumes on the skull, thorax, and abdomen. To ensure the greatest possible precision in details, we still produce these illustrations ourselves. Each is accompanied by a sectional image and an orientation aid. Uniform color schemes ensure optimal clarity, as similar structures, such as arteries, veins, nerves, tendons, etc., are consistently represented in the same color. Individual muscle groups are represented uniformly, but differentiated from other muscle groups, so that classification is possible even when numerous groups of muscles are shown in the same image. Maximal lucidity prevails even in highly detailed representations. This is made possible by the high quality of the production and printing process that are characteristic of Thieme International.

Our special thanks go to our radiology assistants, Silke Köhl, Sabine Mattil, Stephanie Müller, Heike Philippi, Brigitte Schild, Petra Weber, and Tanja Breunig, and also to Birgit Reuter and Marion Hellinger from the Siemens Manufacturing Center, for providing these images. We are deeply grateful to our medical colleagues Sigrid Roth and, especially, Simone Zenner, for their intensive discussions and helpful suggestions.

Torsten B. Moeller
Emil Reif

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🟩	Fluid
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🟥	**Muscles of Shoulder:** Deltoid Infraspinatus Pectoralis major and pectoralis minor Subscapularis Coracobrachialis Latissimus dorsi **Dorsal Muscles of Lower Arm:** Supinator Extensor pollicis longus and brevis Extensor indicis **Muscles of Hand:** Dorsal and palmar interosseous Lumbrical
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🟧	**Dorsal Muscles of Upper Arm:** Triceps brachii Anconeus
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🟫	**Muscles of Little (Fifth) Finger:** Abductor digiti minimi Flexor digiti minimi brevis Opponens digiti minimi
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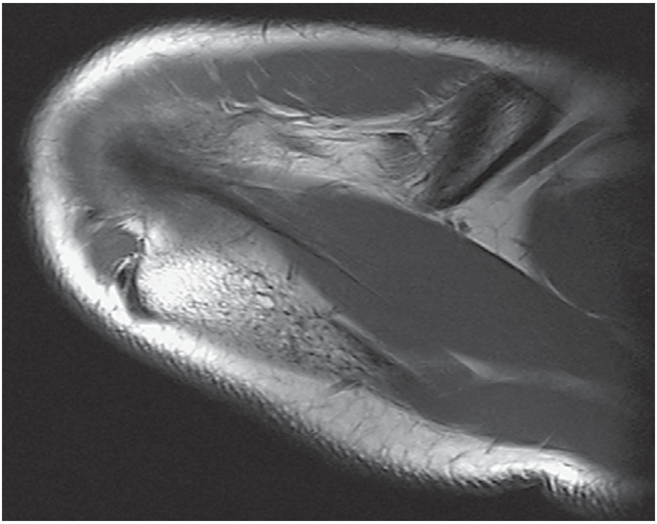
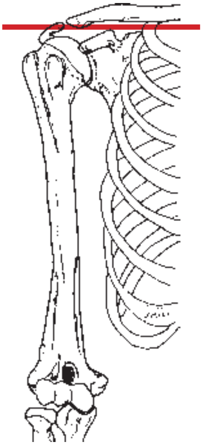
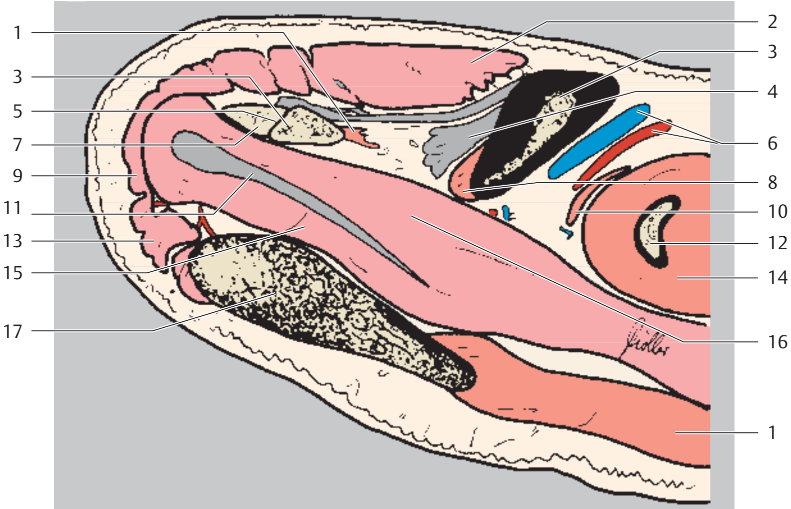




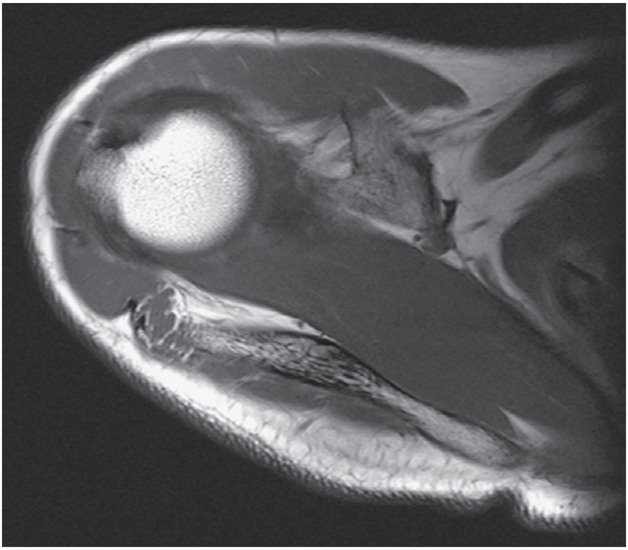
Ventral

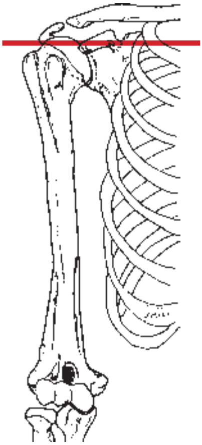
Lateral ☐ Medial

Dorsal



1	Trapezius muscle	11	Supraspinatus muscle (central tendon)
2	Deltoid muscle (clavicular part)	12	Rib
3	Clavicle	13	Deltoid muscle (spinal part)
4	Coracoclavicular ligament	14	Serratus anterior muscle
5	Acromioclavicular joint	15	Supraspinatus muscle (dorsal ligament)
6	Suprascapular artery and vein	16	Supraspinatus muscle (ventral ligament)
7	Acromion	17	Spine of scapula
8	Subclavius muscle		
9	Deltoid muscle (acromial part)		
10	Omohyoid muscle		

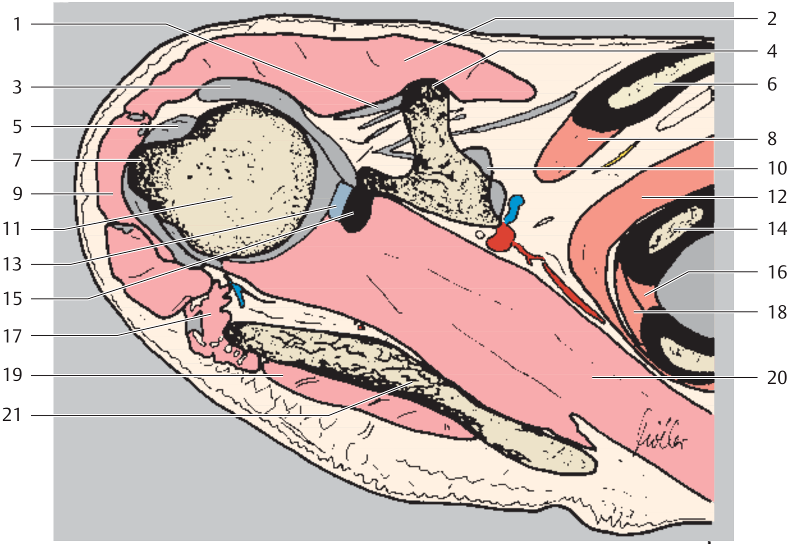




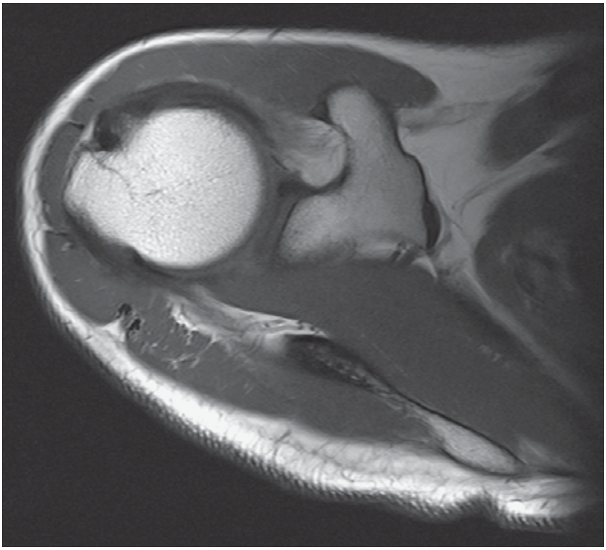
Ventral

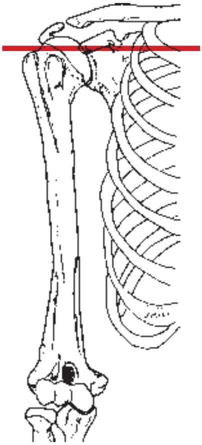
Lateral Medial

Dorsal



1	Coracohumeral ligament	12	Serratus anterior muscle
2	Deltoid muscle (clavicular part)	13	Superior glenoid labrum
3	Middle glenohumeral ligament	14	Rib
4	Coracoid process	15	Glenoid
5	Supraspinatus muscle (tendon)	16	Internal intercostal muscle
6	Clavicle	17	Deltoid muscle (spinal part)
7	Humerus (greater tubercle)	18	External intercostal muscle
8	Subclavius muscle	19	Infraspinatus muscle
9	Deltoid muscle (acromial part)	20	Supraspinatus muscle
10	Coracoclavicular ligament	21	Spine of scapula
11	Head of humerus		

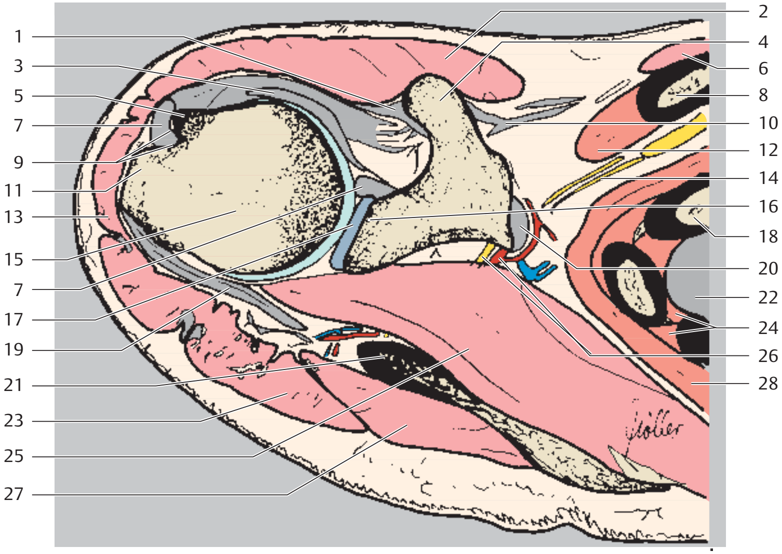




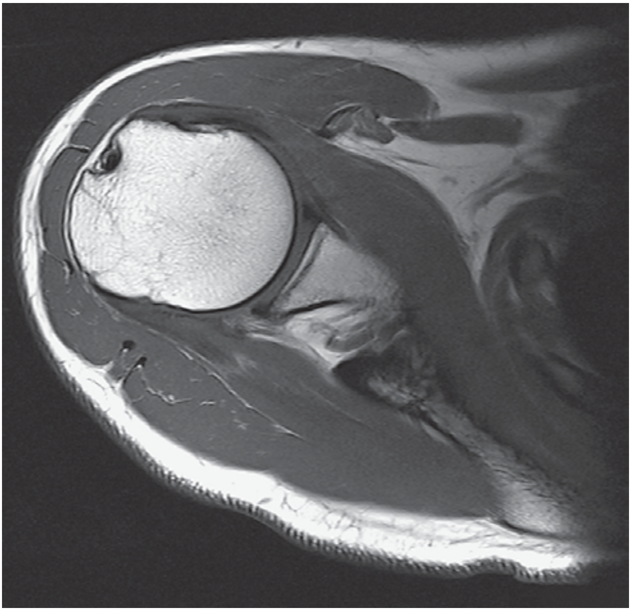
Ventral

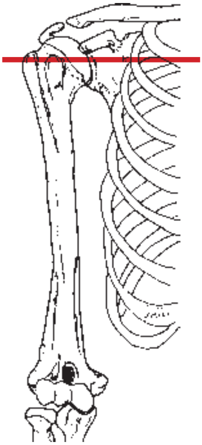
Lateral Medial

Dorsal



1 Coracohumeral ligament
2 Deltoid muscle (clavicular part)
3 Middle glenohumeral ligament
4 Coracoid process
5 Humerus (lesser tubercle)
6 Pectoralis major muscle
7 Biceps brachii muscle (long head, tendon)
8 Clavicle
9 Intertubercular sulcus (bicipital groove)
10 Pectoralis minor muscle (tendon)
11 Humerus (greater tubercle)
12 Subclavius muscle
13 Deltoid muscle (acromial part)
14 Brachial plexus
15 Head of humerus
16 Glenoid
17 Superior glenoid labrum
18 Rib
19 Intraspinatus muscle (tendon attachment)
20 Coracoclavicular ligament
21 Spine of scapula
22 Lung
23 Deltoid muscle (spinal part)
24 Internal and external intercostal muscles
25 Supraspinatus muscle
26 Suprascapular artery and vein
27 Infraspinatus muscle
28 Serratus anterior muscle

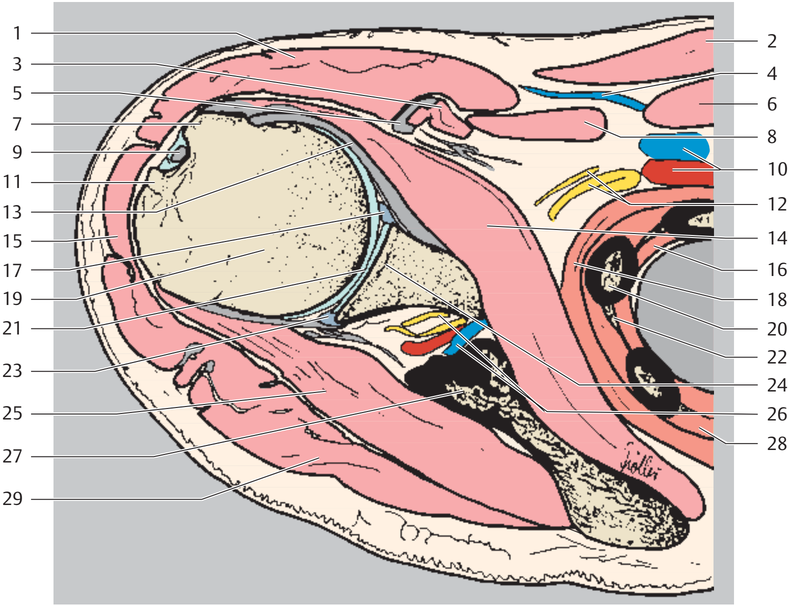




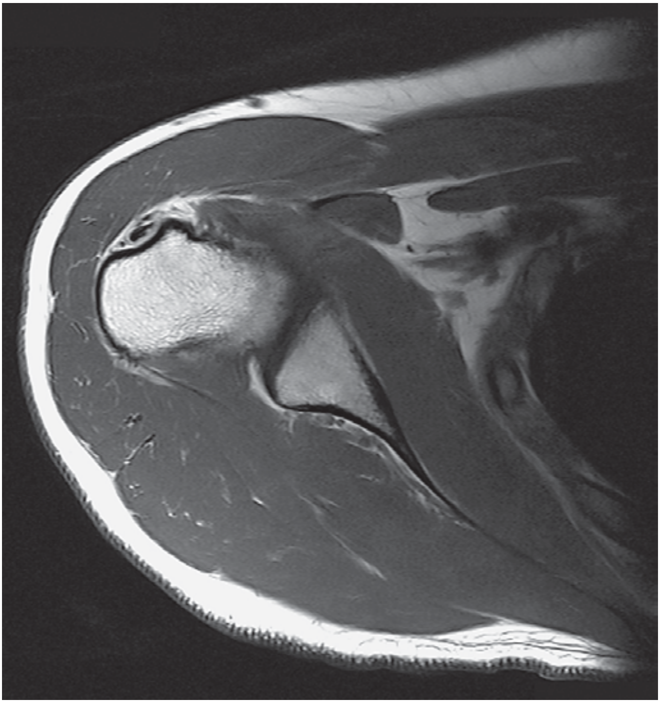
Ventral

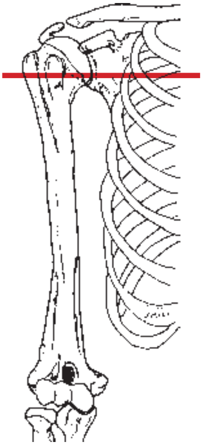
Lateral ☐ Medial

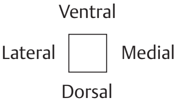
Dorsal



1 Deltoid muscle (clavicular part)
2 Pectoralis major muscle
3 Coracobrachialis muscle (+ tendon)
4 Cephalic vein
5 Biceps brachii muscle (short head, tendon)
6 Subclavius muscle
7 Humerus (lesser tubercle)
8 Pectoralis minor muscle
9 Biceps brachii muscle (long head, tendon)
10 Axillary artery and vein
11 Humerus (greater tubercle)
12 Brachial plexus and subscapular nerve
13 Middle glenohumeral ligament
14 Subscapularis muscle
15 Deltoid muscle (acromial part)
16 Internal intercostal muscle
17 Anterior glenoid labrum
18 Serratus anterior muscle
19 Head of humerus
20 Rib
21 Humeroscapular joint
22 Intercostal artery, vein, and nerve
23 Posterior glenoid labrum
24 Glenoid
25 Infraspinatus muscle
26 Suprascapular artery, vein, and nerve
27 Scapula
28 External intercostal muscle
29 Deltoid muscle (spinal part)






Ventral
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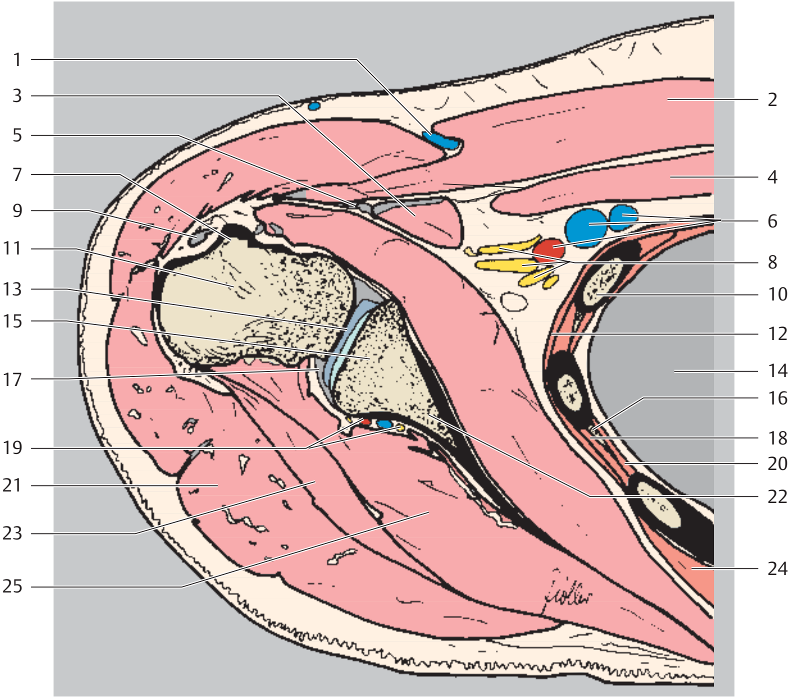
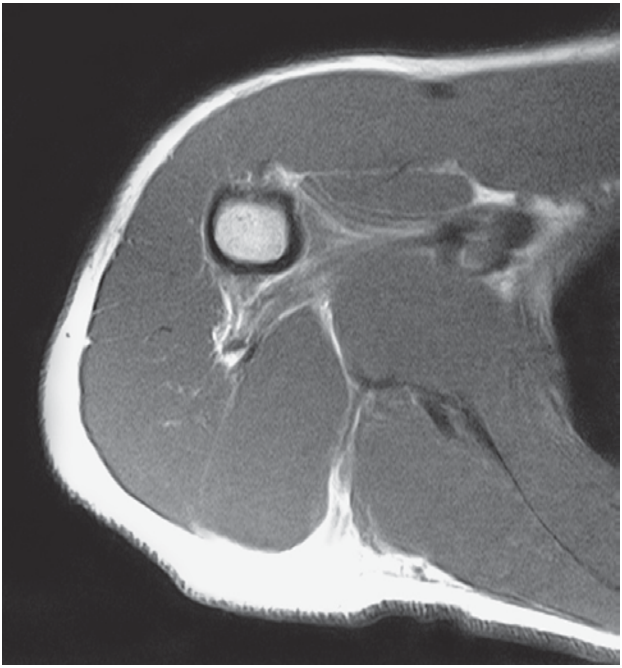
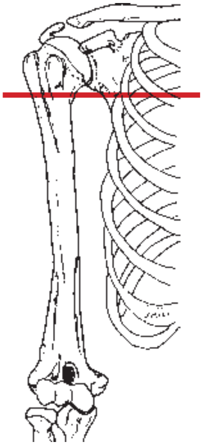
Dorsal



1	Cephalic vein	12	Serratus anterior muscle
2	Pectoralis major muscle	13	Inferior glenoid labrum
3	Coracobrachialis muscle (+ tendon)	14	Lung
4	Pectoralis minor muscle	15	Glenoid
5	Biceps brachii muscle (short head, tendon)	16	Intercostal artery, vein, and nerve
6	Axillary artery and vein	17	Joint capsule
7	Humerus (lesser tubercle)	18	External intercostal muscle
8	Brachial plexus	19	Suprascapular artery, vein, and nerve
9	Biceps brachii muscle (long head, tendon)	20	Internal intercostal muscle
10	Rib	21	Deltoid muscle
11	Humerus	22	Scapula
		23	Teres minor muscle
		24	Serratus posterior muscle
		25	Infraspinatus muscle

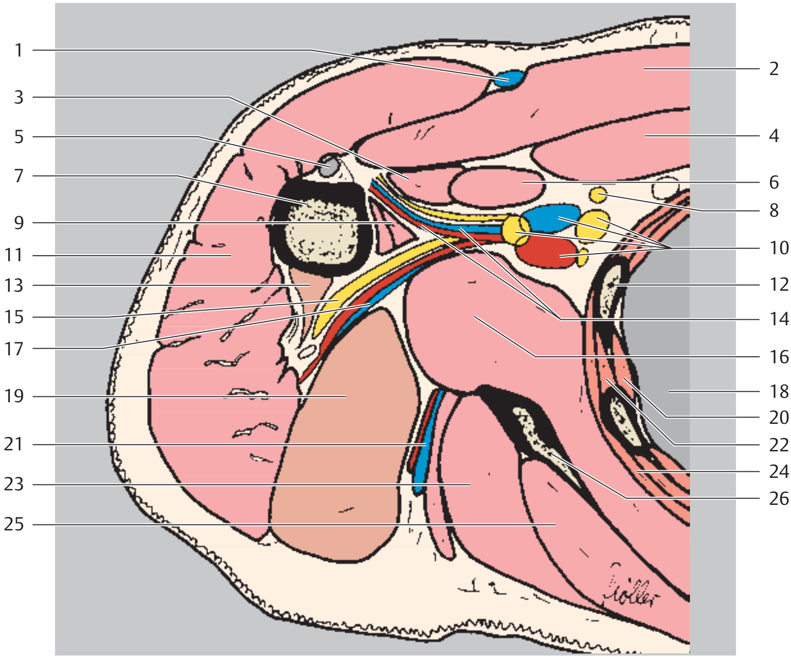




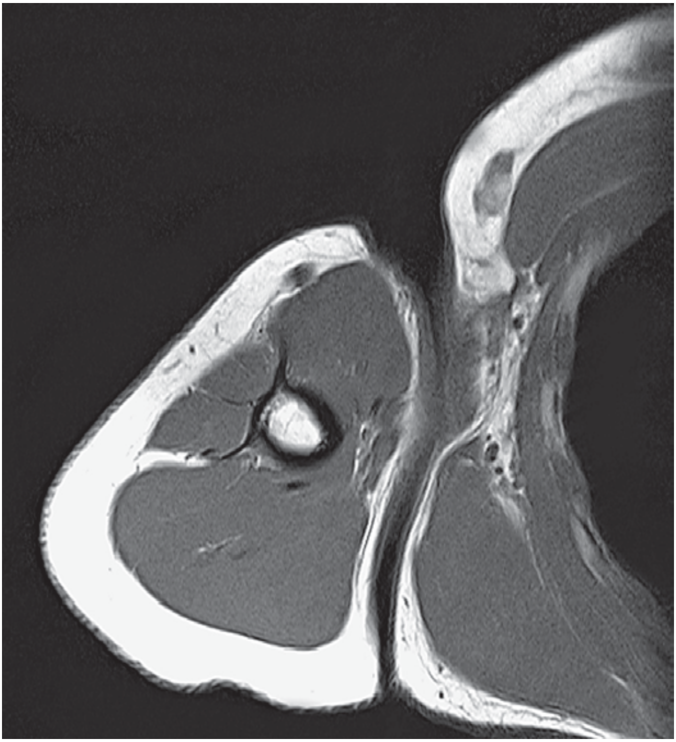
Ventral

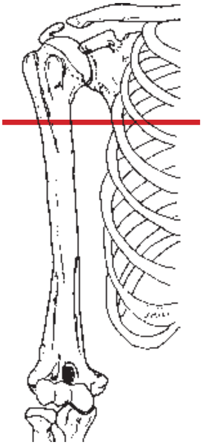
Lateral Medial

Dorsal



1 Cephalic vein
2 Pectoralis major muscle
3 Biceps brachii muscle (short head, tendon)
4 Pectoralis minor muscle
5 Biceps brachii muscle (long head, tendon)
6 Coracobrachialis muscle
7 Humerus
8 Long thoracic nerve
9 Latissimus dorsi muscle and teres major muscle
10 Axillary artery and vein and brachial plexus
11 Deltoid muscle
12 Rib
13 Triceps brachii muscle (lateral head)
14 Anterior circumflex humeral artery and vein
15 Axillary nerve
16 Subscapularis muscle
17 Posterior circumflex humeral artery and vein
18 Lung
19 Triceps brachii muscle (long head)
20 Internal intercostal muscle and innermost intercostal muscle
21 Circumflex scapular artery
22 External intercostal muscle
23 Teres minor muscle
24 Serratus anterior muscle
25 Infraspinatus muscle
26 Scapula

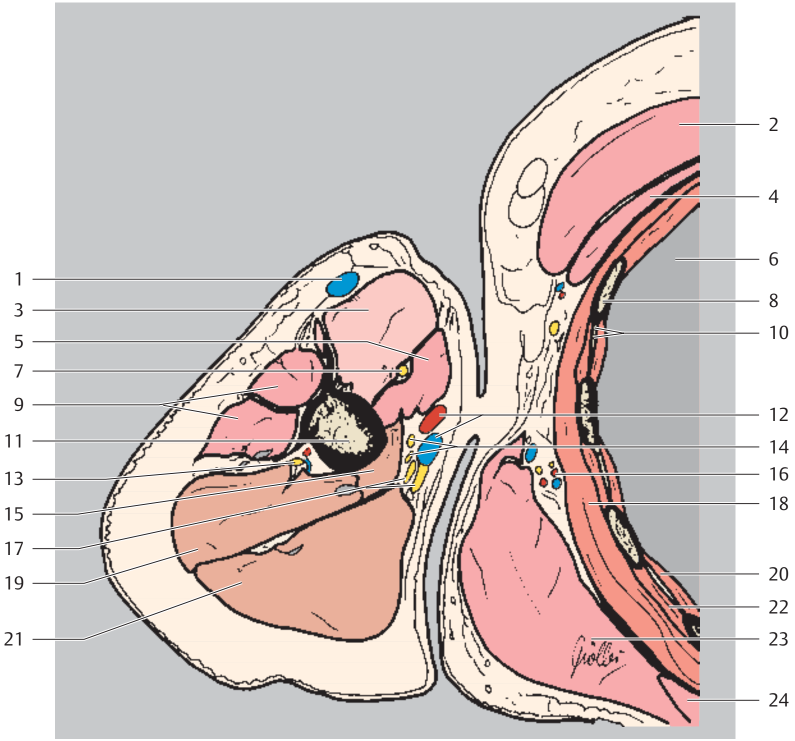




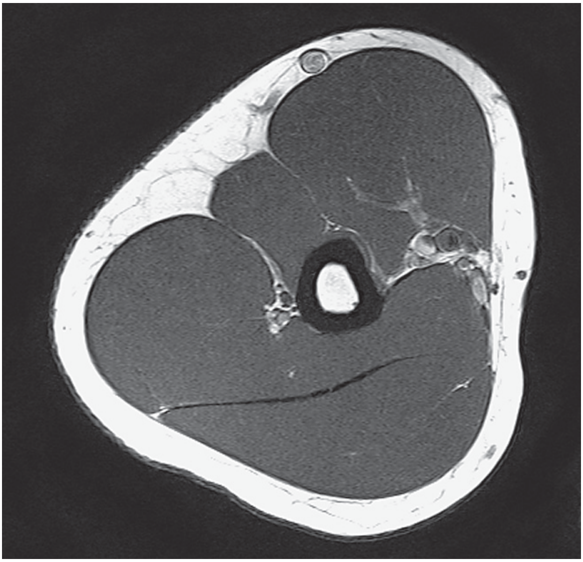
Ventral

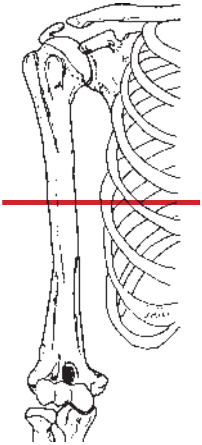
Lateral ☐ Medial

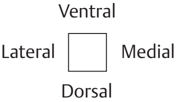
Dorsal



1 Cephalic vein
2 Pectoralis major muscle
3 Biceps brachii muscle
4 Pectoralis minor muscle
5 Coracobrachialis muscle
6 Lung
7 Musculocutaneous nerve
8 Rib
9 Deltoid muscle
10 Intercostal artery, vein, and nerve
11 Humerus (shaft)
12 Brachial artery and vein
13 Radial nerve
14 Median nerve
15 Triceps brachii muscle (medial head)
16 Thoracodorsal artery and nerve
17 Ulnar nerve
18 Serratus anterior muscle
19 Triceps brachii muscle (lateral head)
20 Internal and innermost intercostal muscles
21 Triceps brachii muscle (lateral head)
22 External intercostal muscle
23 Teres major muscle and latissimus dorsi muscle
24 Infraspinatus muscle



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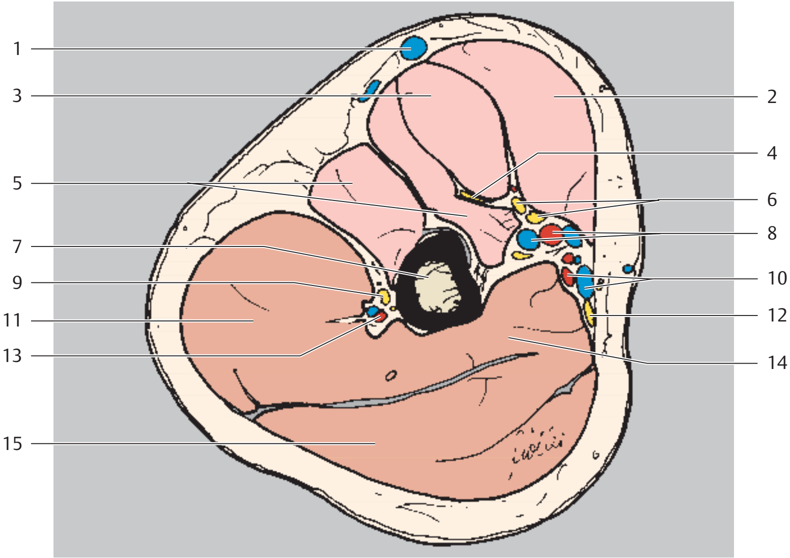
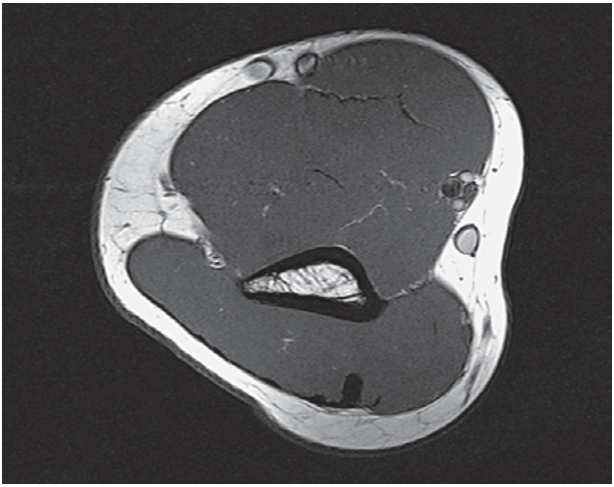
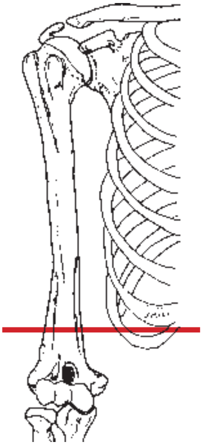
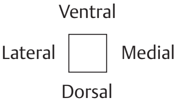


1	Cephalic vein	8	Brachial artery and vein
2	Biceps brachii muscle (short head)	9	Radial nerve
3	Biceps brachii muscle (long head)	10	Basilic vein
4	Musculocutaneous nerve	11	Triceps brachii muscle (lateral head)
5	Brachial muscle	12	Ulnar nerve
6	Median nerve	13	Deep brachial artery and vein
7	Humerus (shaft)	14	Triceps brachii muscle (medial head)
		15	Triceps brachii muscle (long head)



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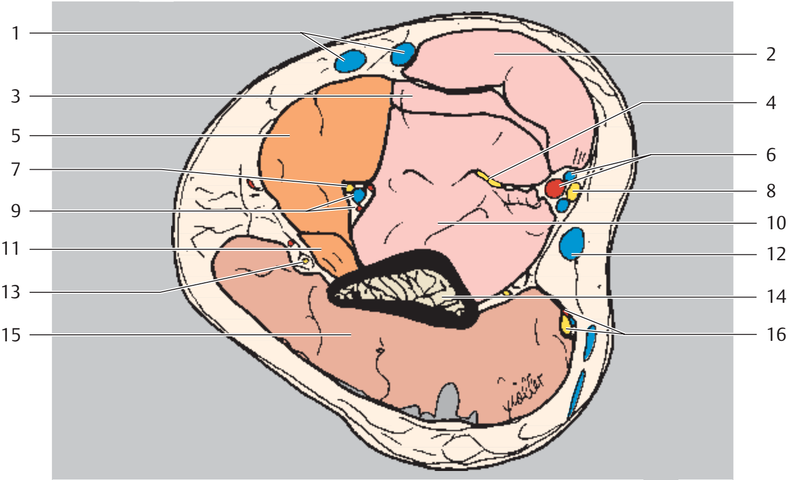
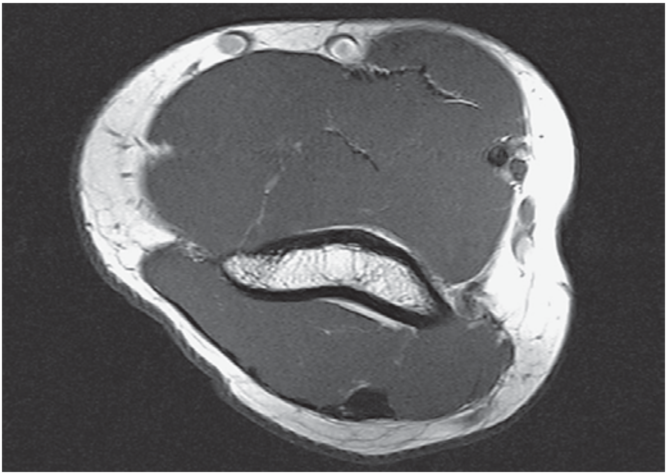
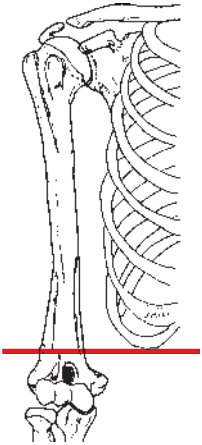


1 Cephalic vein
2 Biceps brachii muscle (short head)
3 Biceps brachii muscle (long head)
4 Musculocutaneous nerve
5 Brachioradialis muscle
6 Brachial artery and vein
7 Radial nerve
8 Median nerve
9 Deep brachial artery and vein
10 Brachialis muscle
11 Extensor carpi radialis longus muscle
12 Basilic vein
13 Posterior cutaneous nerve of forearm
14 Humerus (shaft)
15 Triceps brachii muscle
16 Ulnar nerve, artery, and vein

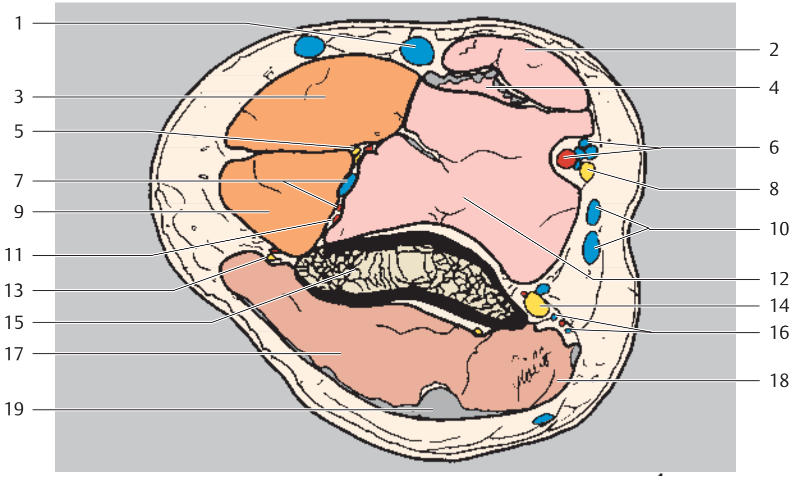




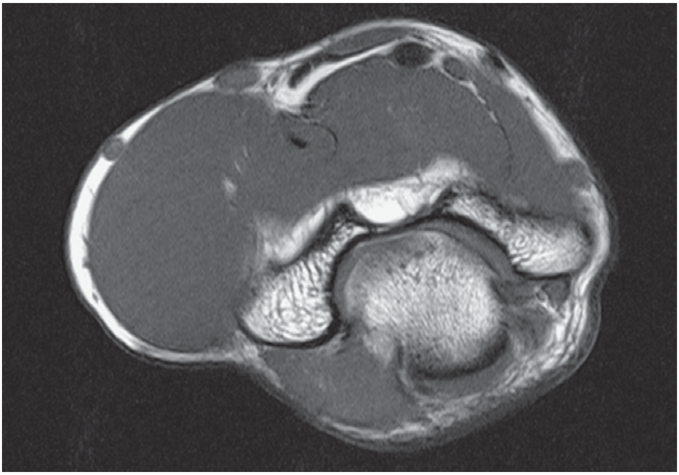
Ventral

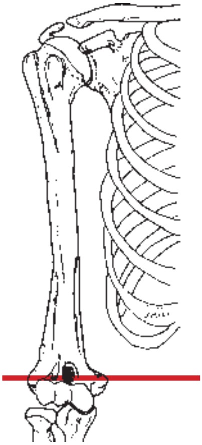
Lateral ☐ Medial

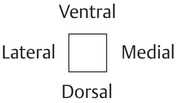
Dorsal

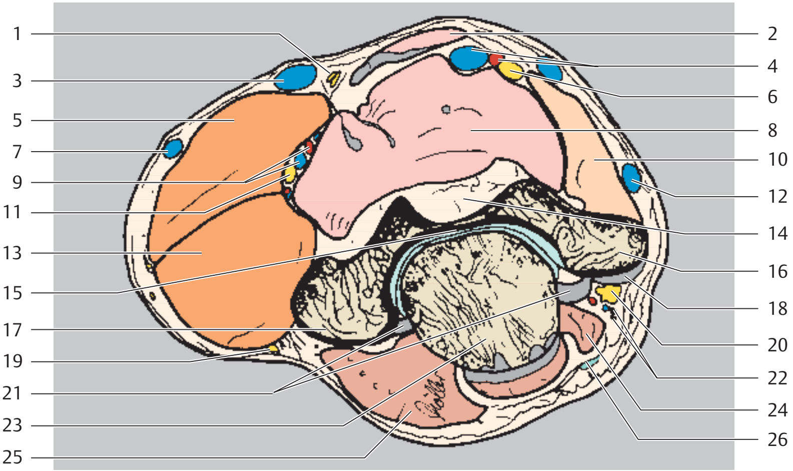


1	Cephalic vein	10	Basilic vein
2	Biceps brachii muscle (short head)	11	Medial collateral artery
3	Brachioradialis muscle	12	Brachialis muscle
4	Biceps brachii muscle (long head and tendon)	13	Posterior cutaneous nerve of forearm
5	Radial nerve	14	Ulnar nerve
6	Brachial artery and vein	15	Humerus (shaft)
7	Deep brachial artery and nerve	16	Ulnar artery and vein
8	Median nerve	17	Triceps brachii muscle (lateral head)
9	Extensor carpi radialis longus muscle	18	Triceps brachii muscle (medial head)
		19	Triceps brachii muscle (tendon)

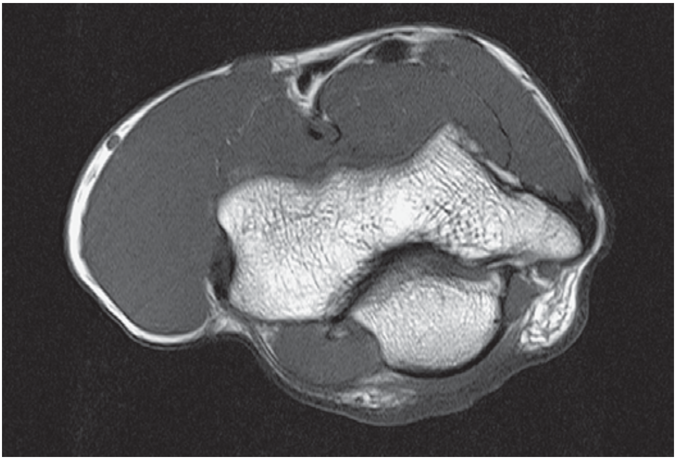


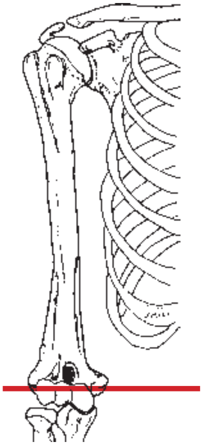



Ventral
Lateral
Medial
Dorsal



1 Cutaneous nerve of forearm
2 Biceps brachii muscle (+ tendon)
3 Median cubital vein
4 Brachial artery and vein
5 Brachioradialis muscle
6 Median nerve
7 Cephalic vein
8 Brachialis muscle
9 Collateral radial artery and vein
10 Pronator teres muscle
11 Radial nerve
12 Basilic vein
13 Extensor carpi radialis longus muscle
14 Olecranon fossa
15 Humeroulnar joint
16 Medial epicondyle of humerus
17 Lateral epicondyle of humerus
18 Tendon attachment of ventral superficial muscles of forearm and collateral ligaments
19 Posterior cutaneous nerve of forearm (radial nerve)
20 Ulnar nerve
21 Joint capsule
22 Superior collateral ulnar artery and nerve
23 Olecranon
24 Triceps brachii muscle (+ tendon)
25 Anconeus muscle
26 Subcutaneous olecranon bursa

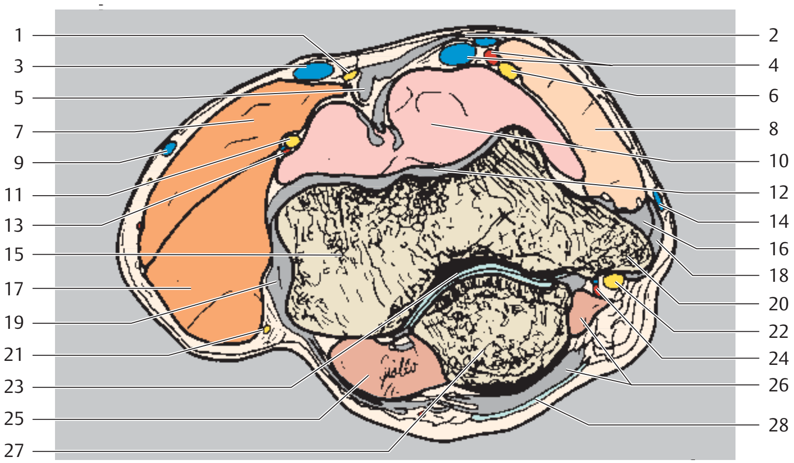




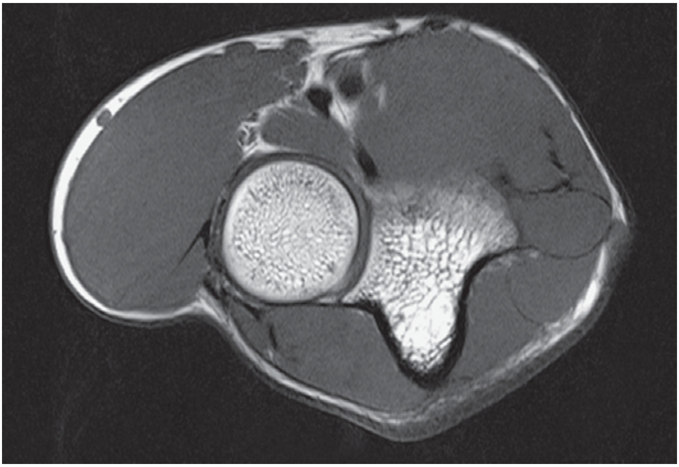
Ventral

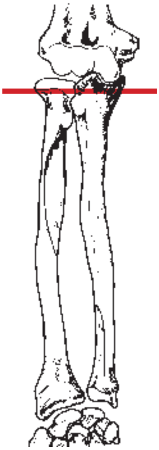
Lateral ☐ Medial

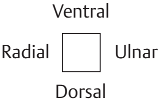
Dorsal

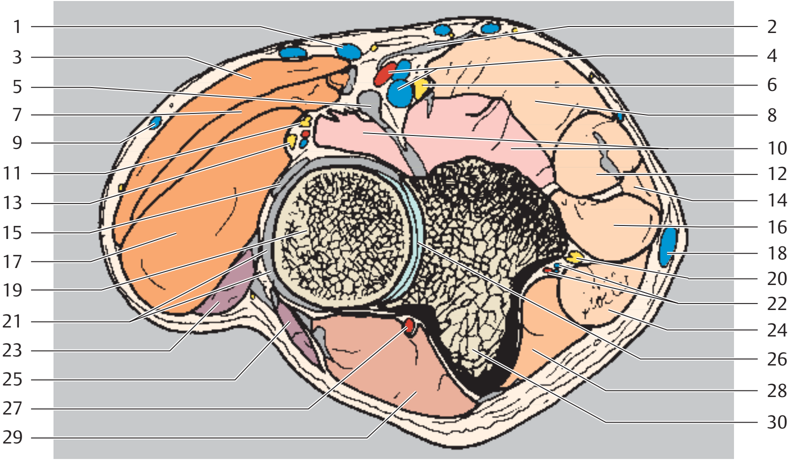


1 Cutaneous nerve of forearm
2 Bicipital aponeurosis
3 Median cubital artery
4 Brachial artery and vein
5 Biceps brachii muscle (tendon)
6 Median nerve
7 Brachioradialis muscle
8 Pronator teres muscle
9 Cephalic vein
10 Brachialis muscle (+ tendon)
11 Radial nerve
12 Articular capsule of elbow
13 Radial collateral artery and vein
14 Basilic vein
15 Capitulum of humerus
16 Flexor carpi radialis muscle (tendon attachment)
17 Extensor carpi radialis longus muscle
18 Palmaris longus muscle (tendon attachment)
19 Lateral collateral ligament
20 Medial epicondyle of humerus
21 Posterior cutaneous nerve of forearm (radial nerve)
22 Ulnar nerve
23 Humeroulnar joint
24 Superior collateral ulnar artery and vein
25 Anconeus muscle
26 Triceps brachii muscle (+ tendon)
27 Olecranon
28 Subcutaneous olecranon bursa

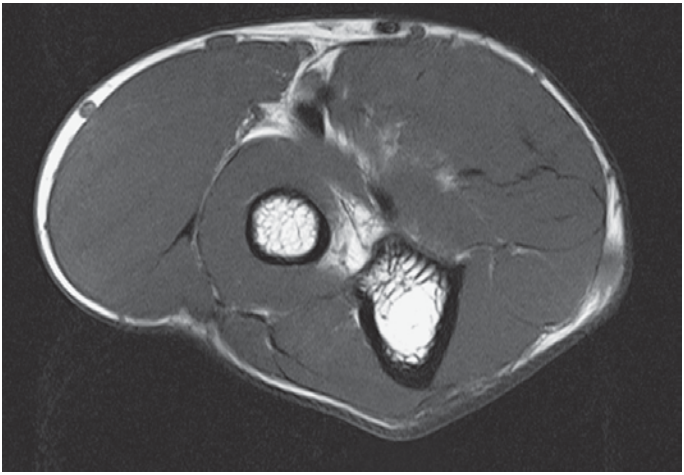


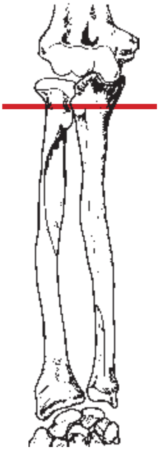


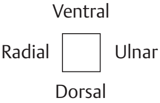

Ventral
Radial
Ulnar
Dorsal

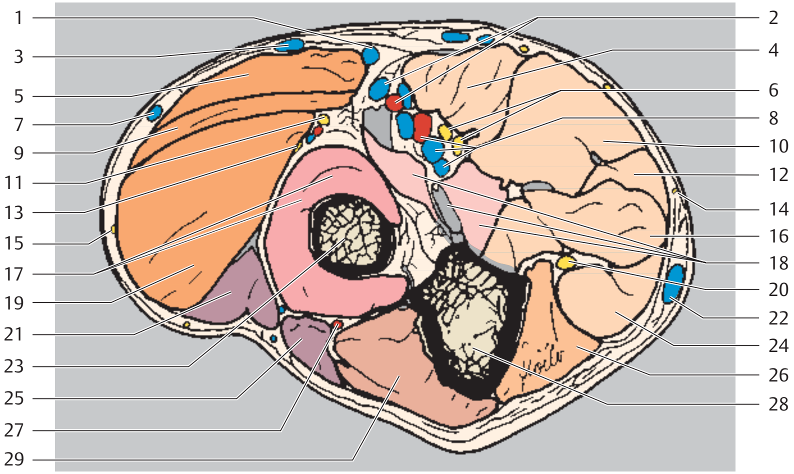


1	Median cubital vein	16	Flexor digitorum superficialis muscle
2	Bicipital aponeurosis	17	Extensor carpi radialis brevis muscle
3	Brachioradialis muscle	18	Basilic vein
4	Brachial artery and vein	19	Head of radius
5	Biceps brachii muscle (tendon)	20	Ulnar nerve
6	Median nerve	21	Annular ligament
7	Extensor carpi radialis longus muscle	22	Superior ulnar collateral artery and vein
8	Pronator teres muscle	23	Extensor digitorum muscle
9	Cephalic vein	24	Flexor carpi ulnaris muscle
10	Brachial muscle (+ tendon)	25	Extensor carpi ulnaris muscle
11	Radial nerve (superficial branch)	26	Proximal radioulnar joint
12	Flexor carpi radialis muscle	27	Recurrent interosseous artery
13	Radial nerve (deep branch)	28	Flexor digitorum profundus muscle
14	Palmaris longus muscle	29	Anconeus muscle
15	Supinator muscle (tendon)	30	Ulna

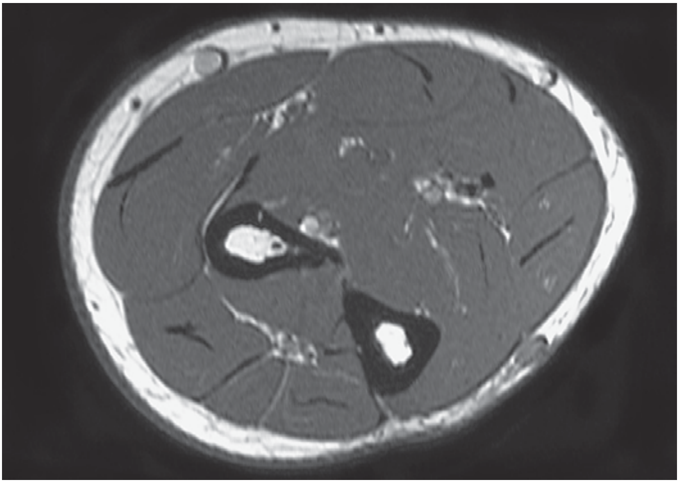


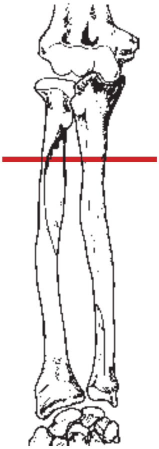


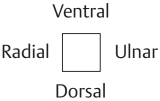

Ventral
Radial
Ulnar
Dorsal

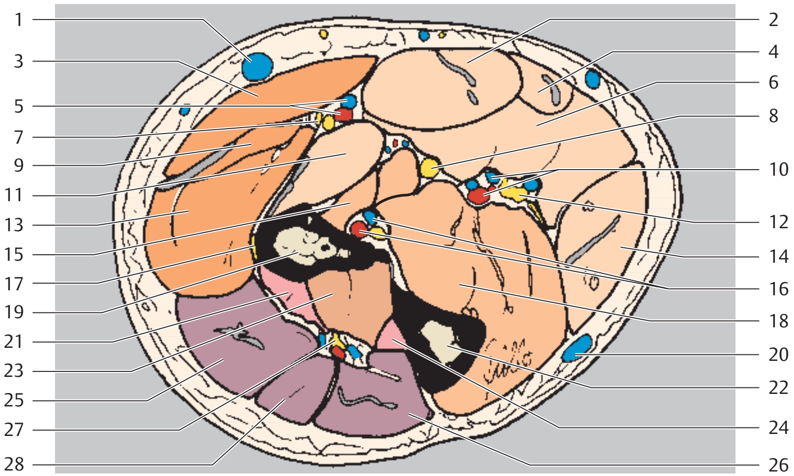


1 Deep median cubital vein
2 Radial artery and vein
3 Accessory cephalic vein
4 Pronator teres muscle
5 Brachioradialis muscle
6 Median nerve
7 Cephalic vein
8 Ulnar artery and vein
9 Extensor carpi radialis longus muscle
10 Flexor carpi radialis muscle
11 Radial nerve (superficial branch)
12 Palmaris longus muscle
13 Radial nerve (deep branch)
14 Medial cutaneous nerve of forearm
15 Posterior cutaneous nerve of forearm
16 Flexor digitorum superficialis muscle
17 Supinator muscle
18 Brachialis muscle (+ tendon attachment)
19 Extensor carpi radialis brevis muscle
20 Ulnar nerve
21 Extensor digitorum muscle
22 Basilic vein
23 Radius
24 Flexor carpi ulnaris muscle
25 Extensor carpi ulnaris muscle
26 Flexor digitorum profundus muscle
27 Recurrent interosseous artery and vein
28 Ulna
29 Anconeus muscle

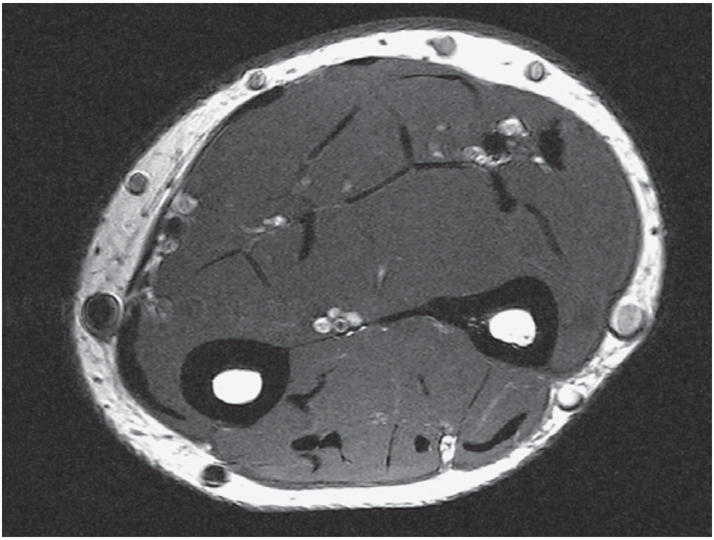


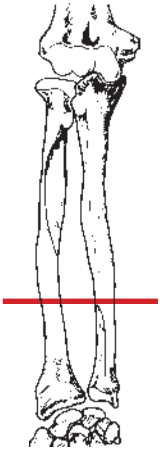


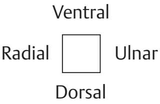

Ventral
Radial
Ulnar
Dorsal

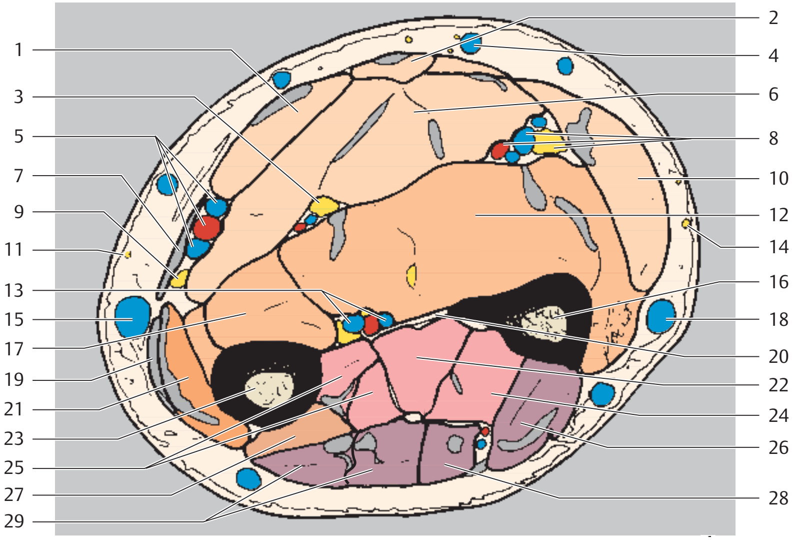


1 Median cubital vein
2 Flexor carpi radialis muscle
3 Brachioradialis muscle
4 Palmaris longus muscle
5 Radial artery and vein
6 Flexor digitorum superficialis muscle
7 Radial nerve (superficial branch)
8 Median nerve
9 Extensor carpi radialis longus muscle (+ tendon)
10 Ulnar artery and vein
11 Pronator teres muscle
12 Ulnar nerve
13 Extensor carpi radialis brevis muscle
14 Flexor carpi ulnaris muscle
15 Flexor pollicis longus muscle
16 Posterior interosseous artery, vein, and nerve
17 Radial nerve (deep branch)
18 Flexor digitorum profundus muscle
19 Radius
20 Cephalic vein
21 Supinator muscle
22 Ulna
23 Abductor pollicis longus muscle
24 Extensor pollicis longus muscle
25 Extensor digitorum muscle
26 Extensor carpi ulnaris muscle
27 Posterior interosseous artery, vein, and nerve
28 Extensor digiti minimi muscle

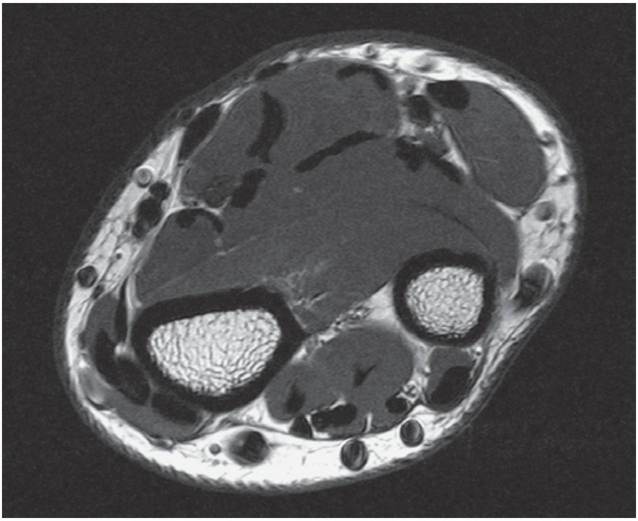


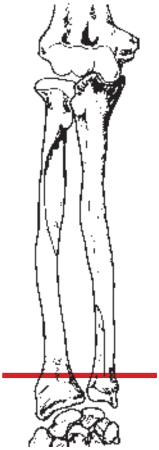



Ventral
Radial
Ulnar
Dorsal



1 Flexor carpi radialis muscle
2 Palmaris longus muscle
3 Median nerve
4 Median basilic vein
5 Radial artery and veins
6 Flexor digitorum superficialis muscle
7 Brachioradialis muscle (tendon)
8 Ulnar artery, vein, and nerve
9 Radial nerve (superficial branch)
10 Flexor carpi ulnaris muscle
11 Posterior cutaneous nerve of forearm
12 Flexor digitorum profundus muscle
13 Anterior interosseous artery, vein, and nerve
14 Lateral cutaneous nerve of forearm
15 Cephalic vein
16 Ulna
17 Flexor pollicis longus muscle
18 Basilic vein
19 Extensor carpi radialis longus muscle (tendon)
20 Interosseous membrane of forearm
21 Extensor carpi radialis brevis muscle (+ tendon)
22 Extensor pollicis longus muscle
23 Radius
24 Extensor indicis muscle
25 Extensor pollicis brevis muscle
26 Extensor carpi ulnaris muscle
27 Abductor pollicis longus muscle
28 Extensor digiti minimi muscle
29 Extensor digitorum muscle

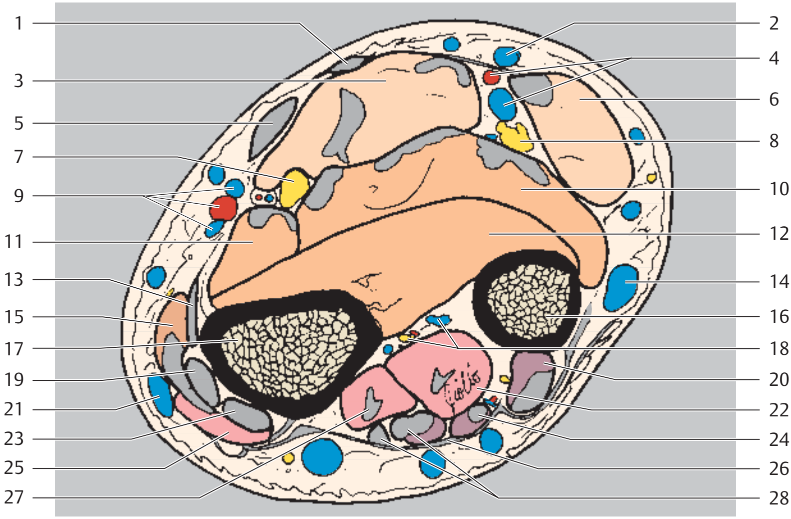




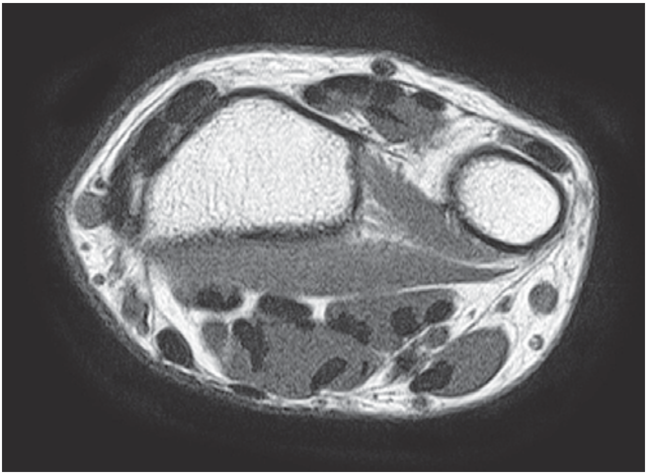
Ventral

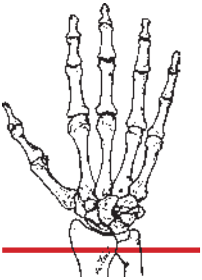
Radial ☐ Ulnar

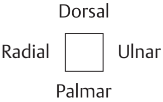
Dorsal

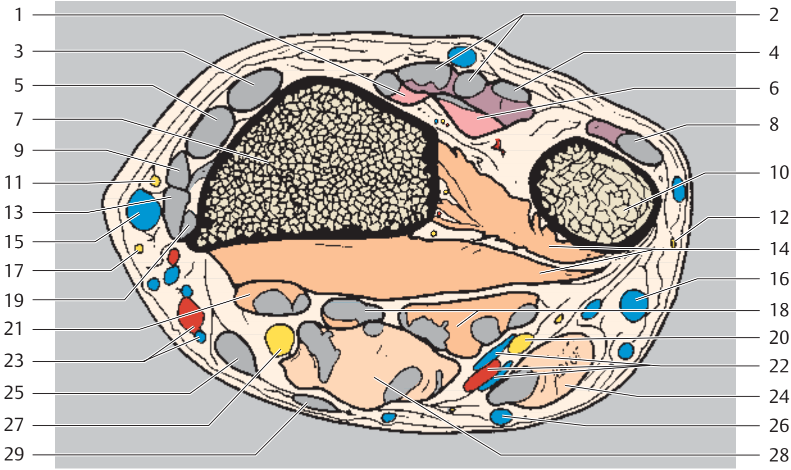


1 Palmaris longus muscle (tendon)
2 Subcutaneous vein
3 Flexor digitorum superficialis muscle
4 Ulnar artery and vein
5 Flexor carpi radialis muscle (tendon)
6 Flexor carpi ulnaris muscle
7 Median nerve
8 Ulnar nerve
9 Radial artery and veins
10 Flexor digitorum profundus muscle
11 Flexor pollicis longus muscle
12 Pronator quadratus muscle
13 Brachioradialis muscle (tendon)
14 Basilic vein
15 Abductor pollicis longus muscle (+ -tendon)
16 Ulna
17 Radius
18 Anterior interosseous artery, vein, and nerve
19 Extensor carpi radialis longus muscle (tendon)
20 Extensor carpi ulnaris muscle
21 Cephalic vein
22 Extensor indicis muscle
23 Extensor carpi radialis brevis muscle (tendon)
24 Extensor digiti minimi muscle
25 Extensor pollicis brevis muscle
26 Extensor retinaculum
27 Extensor pollicis longus muscle
28 Extensor digitorum muscle (+ tendon)

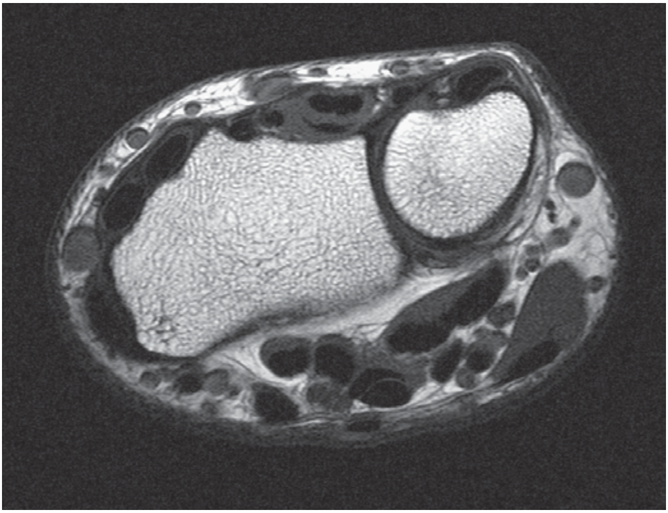


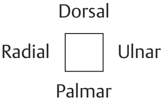


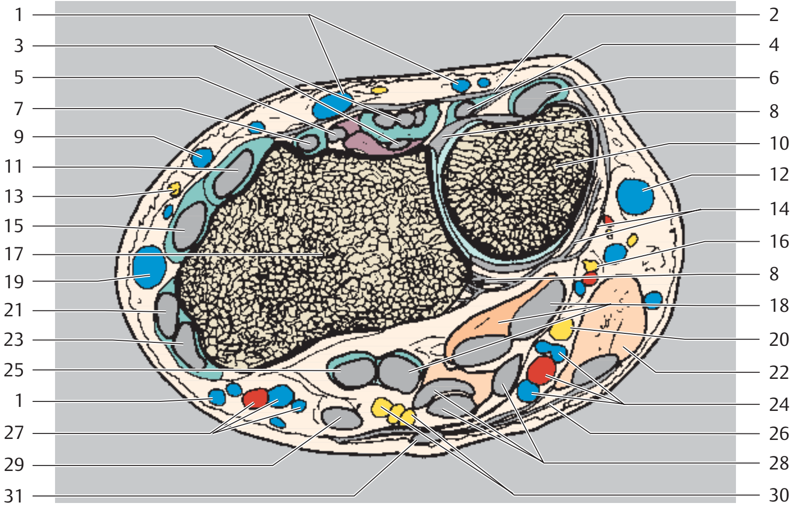

Dorsal
Radial
Ulnar
Palmar



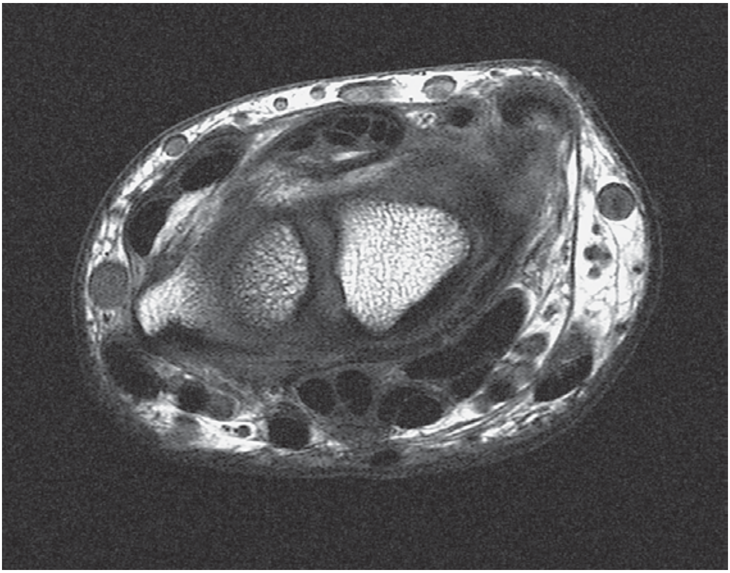
1 Extensor pollicis longus muscle
2 Extensor digitorum muscle
3 Extensor carpi radialis brevis muscle (tendon)
4 Extensor digiti minimi muscle
5 Extensor carpi radialis longus muscle (tendon)
6 Extensor indicis muscle
7 Radius
8 Extensor carpi ulnaris muscle
9 Extensor pollicis brevis muscle (tendon)
10 Ulna
11 Radial nerve (superficial branch)
12 Lateral cutaneous nerve of forearm
13 Abductor pollicis longus muscle (tendon)
14 Pronator quadratus muscle
15 Cephalic vein
16 Basilic vein
17 Lateral cutaneous nerve of forearm
18 Flexor digitorum profundus muscle
19 Brachioradialis muscle (tendon)
20 Ulnar nerve
21 Flexor pollicis longus muscle
22 Ulnar artery and veins
23 Radial artery and veins
24 Flexor carpi ulnaris muscle
25 Flexor carpi radialis muscle (tendon)
26 Subcutaneous vein
27 Median nerve
28 Flexor digitorum superficialis muscle
29 Palmaris longus muscle

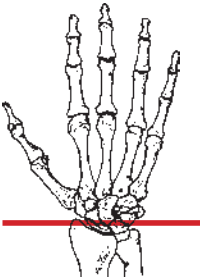



Dorsal
Radial
Ulnar
Palmar



1 Subcutaneous vein
2 Extensor retinaculum
3 Extensor digitorum muscle
4 Extensor digiti minimi muscle (tendon)
5 Extensor indicis muscle (tendon)
6 Extensor carpi ulnaris muscle (tendon)
7 Extensor pollicis longus muscle (tendon)
8 Joint capsule
9 Accessory cephalic vein
10 Ulna
11 Extensor carpi radialis brevis muscle (tendon)
12 Basilic vein
13 Radial nerve (superficial branch)
14 Palmar ulnocarpal ligament
15 Extensor carpi radialis longus muscle (tendon)
16 Ulnar nerve (dorsal branch)
17 Radius
18 Flexor digitorum profundus muscle
19 Cephalic vein
20 Ulnar nerve
21 Extensor pollicis brevis muscle (tendon)
22 Flexor carpi ulnaris muscle
23 Abductor pollicis longus muscle (tendon)
24 Ulnar artery and veins
25 Flexor pollicis longus muscle
26 Antebrachial fascia
27 Radial artery and veins
28 Flexor digitorum superficialis muscle
29 Flexor carpi radialis muscle (tendon)
30 Median nerve
31 Palmaris longus muscle

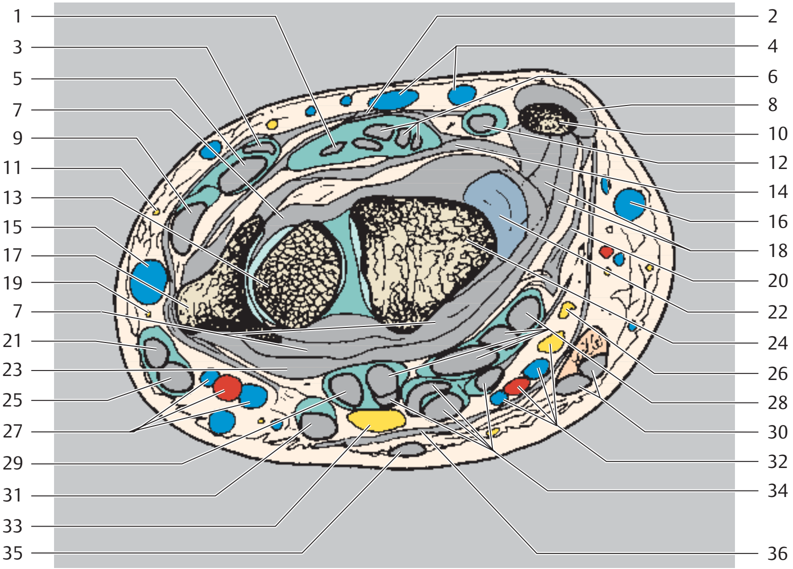




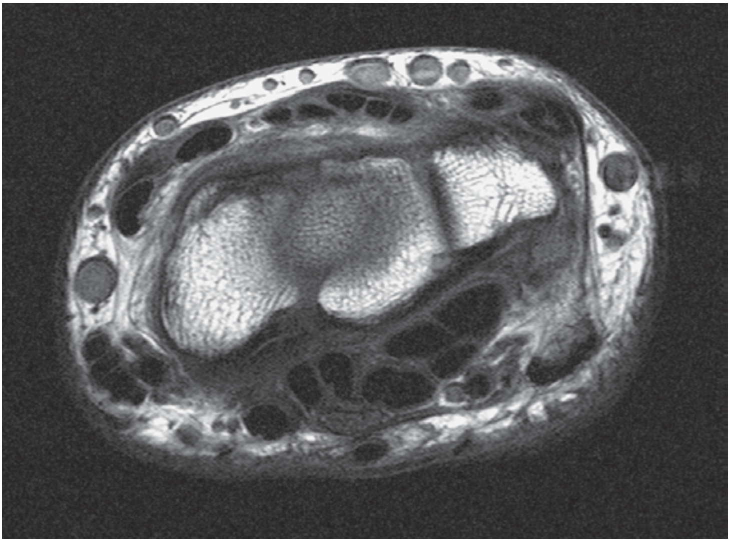
Dorsal

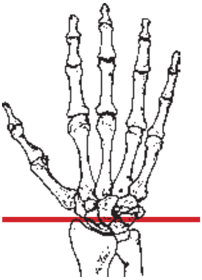
Radial Ulnar

Palmar



1 Extensor indicis muscle (tendon)
2 Extensor retinaculum
3 Extensor pollicis longus muscle (tendon)
4 Subcutaneous vein
5 Extensor carpi radialis brevis muscle (tendon)
6 Extensor digitorum muscle (tendon)
7 Joint capsule
8 Extensor carpi ulnaris muscle (tendon)
9 Extensor carpi radialis longus muscle (tendon)
10 Ulna (styloid process)
11 Posterior cutaneous nerve of forearm (radial nerve)
12 Extensor digiti minimi muscle (tendon)
13 Scaphoid
14 Dorsal radiocarpal ligament
15 Cephalic vein
16 Basilic vein
17 Radius
18 Palmar ulnocarpal ligament
19 Radial nerve (superficial branch)
20 Ulnar collateral ligament of wrist joint
21 Extensor pollicis brevis muscle (tendon)
22 Triangular fibrocartilage
23 Palmar radiocarpal ligament
24 Lunate
25 Abductor pollicis longus muscle (tendon)
26 Ulnar nerve (dorsal branch)
27 Radial artery and veins
28 Flexor digitorum profundus muscle (tendons)
29 Flexor pollicis longus muscle
30 Flexor carpi ulnaris muscle
31 Flexor carpi radialis muscle (tendon)
32 Ulnar nerve, artery, and veins
33 Median nerve
34 Flexor digitorum superficialis muscle (tendons)
35 Palmaris longus muscle
36 Flexor retinaculum

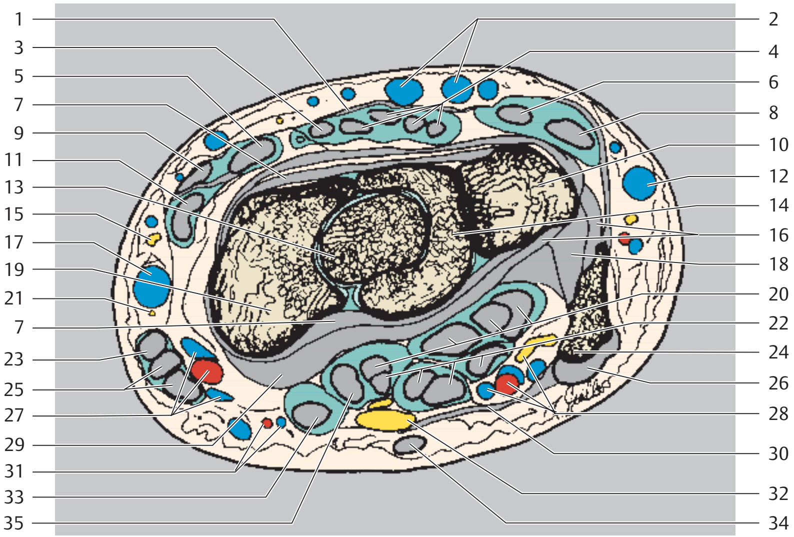




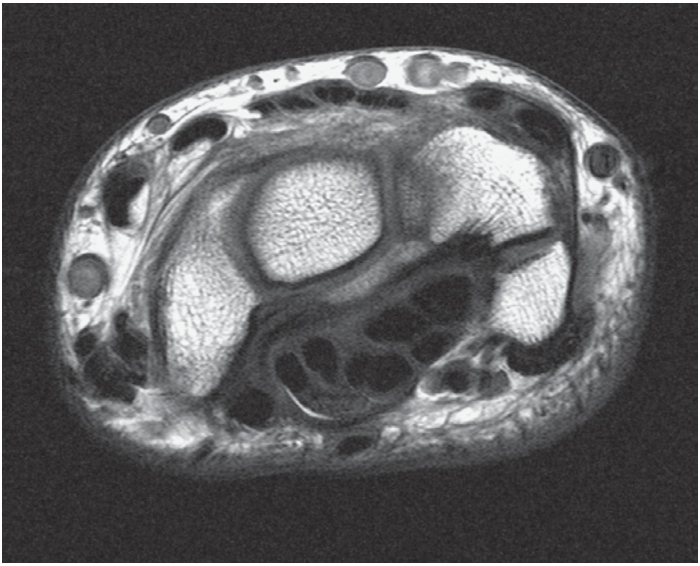
Dorsal

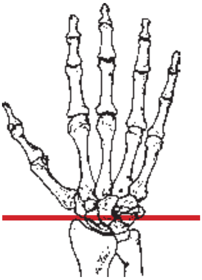
Radial ☐ Ulnar

Palmar



1 Extensor retinaculum
2 Subcutaneous vein
3 Extensor indicis muscle (tendon)
4 Extensor digitorum muscle (tendons)
5 Extensor carpi radialis brevis muscle (tendon)
6 Extensor digiti minimi muscle (tendon)
7 Joint capsule
8 Extensor carpi ulnaris muscle (tendon)
9 Extensor pollicis longus muscle (tendon)
10 Triquetrum
11 Extensor carpi radialis longus muscle (tendon)
12 Basilic vein
13 Capitate
14 Lunate
15 Posterior cutaneous nerve of forearm (radial nerve)
16 Palmar ulnocarpal ligament
17 Cephalic vein
18 Palmar intercarpal ligament
19 Scaphoid
20 Flexor digitorum profundus muscle (tendons)
21 Radial nerve (superficial branch)
22 Flexor digitorum superficialis muscle (tendons)
23 Extensor pollicis brevis muscle (tendon)
24 Pisiform
25 Abductor pollicis longus muscle (tendon)
26 Flexor carpi ulnaris muscle (tendon attachment)
27 Radial artery and veins
28 Ulnar nerve, artery, and veins
29 Ulnar radiocarpal ligament
30 Flexor retinaculum
31 Superficial palmar branch of radial artery and vein
32 Median nerve
33 Flexor carpi radialis muscle (tendon)
34 Palmaris longus muscle
35 Flexor pollicis longus muscle

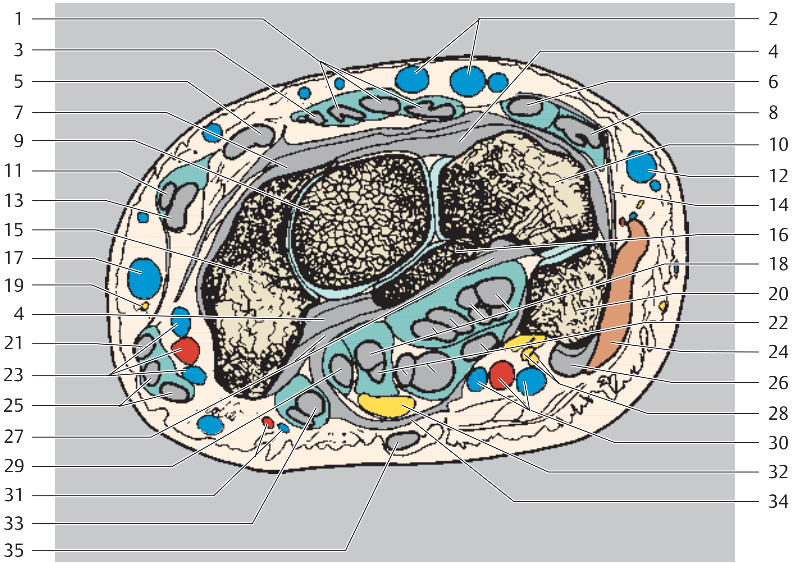




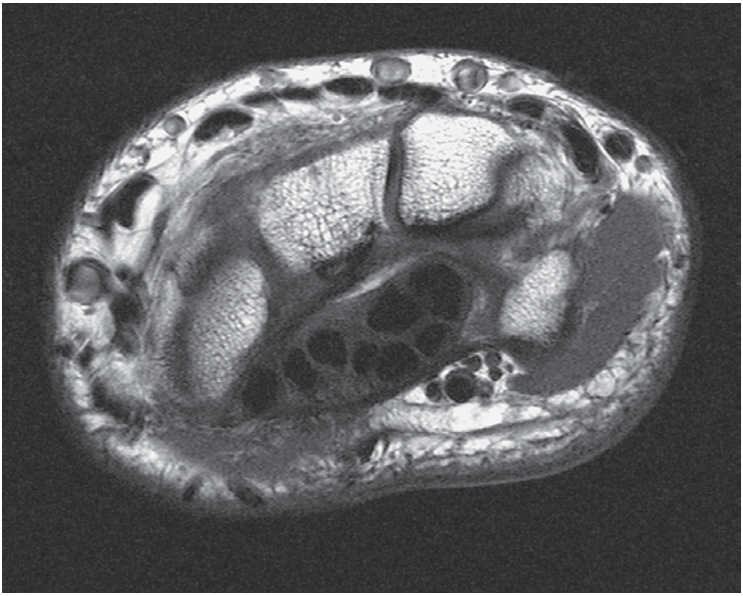
Dorsal

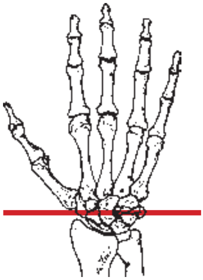
Radial Ulnar

Palmar



1 Extensor digitorum muscle (tendons)
2 Subcutaneous vein
3 Extensor indicis muscle (tendon)
4 Joint capsule
5 Extensor carpi radialis brevis muscle (tendon)
6 Extensor digiti minimi muscle (tendon)
7 Dorsal intercarpal ligament
8 Extensor carpi ulnaris muscle (tendon)
9 Capitate
10 Triquetrum
11 Extensor pollicis longus muscle (tendon)
12 Basilic vein
13 Extensor carpi radialis longus muscle (tendon)
14 Palmar ulnocarpal ligament
15 Scaphoid
16 Lunate
17 Cephalic vein
18 Flexor digitorum profundus muscle (tendons)
19 Radial nerve (superficial branch)
20 Pisiform
21 Extensor pollicis brevis muscle (tendon)
22 Flexor digitorum superficialis muscle (tendons)
23 Radial artery and veins
24 Abductor digiti minimi muscle
25 Abductor pollicis longus muscle (tendon)
26 Flexor carpi ulnaris muscle
27 Palmar radiocarpal ligament
28 Ulnar nerve
29 Flexor pollicis longus muscle
30 Ulnar artery and veins
31 Superficial palmar branch of radial artery and vein
32 Median nerve
33 Flexor carpi radialis muscle (tendon)
34 Flexor retinaculum
35 Palmaris longus muscle

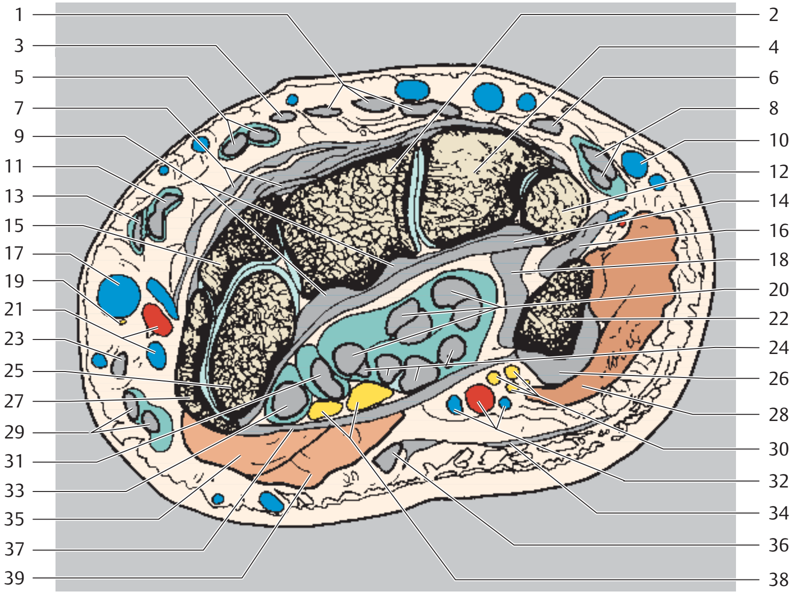




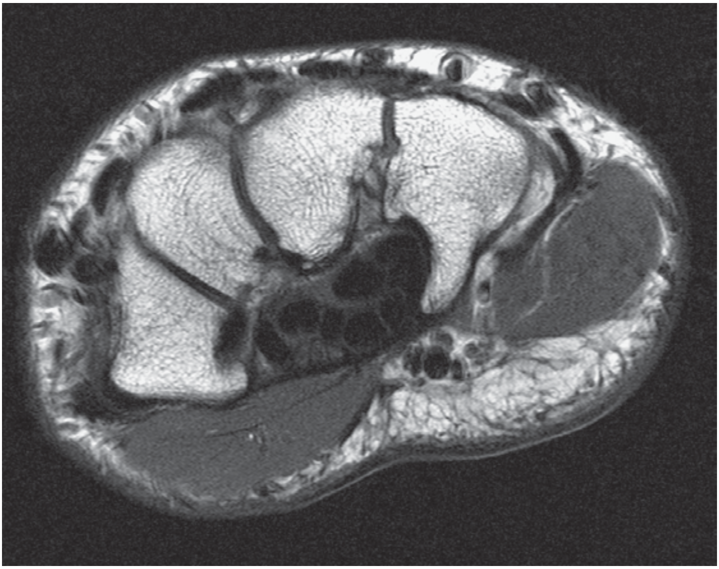
Dorsal

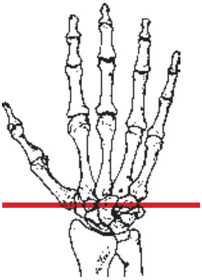
Radial ☐ Ulnar

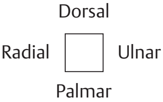
Palmar

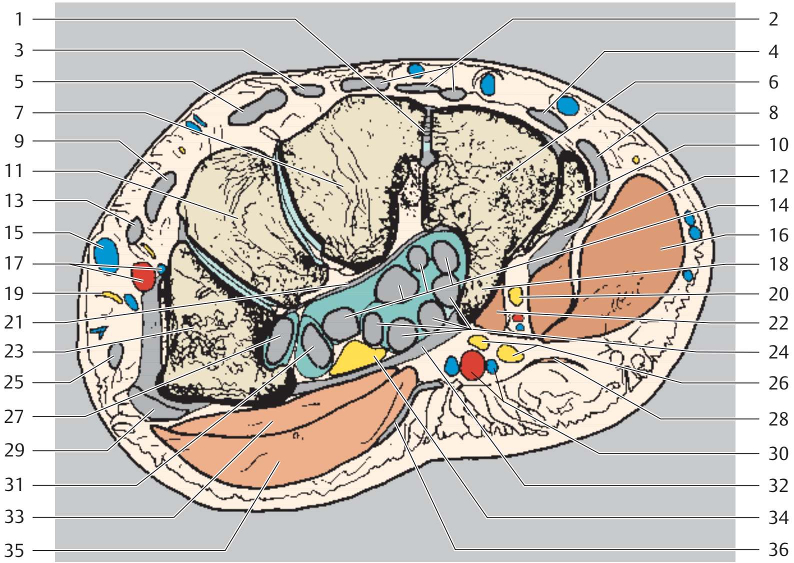


1 Extensor digitorum muscle (tendons)
2 Capitate
3 Extensor indicis muscle (tendon)
4 Hamate
5 Extensor carpi radialis brevis muscle (tendon)
6 Extensor digiti minimi muscle (tendon)
7 Dorsal intercarpal ligament
8 Extensor carpi ulnaris muscle (tendon)
9 Joint capsule
10 Basilic vein
11 Extensor carpi radialis longus muscle (tendon)
12 Triquetrum
13 Extensor pollicis longus muscle (tendon)
14 Palmar intercarpal ligament
15 Trapezoid
16 Pisometacarpal ligament
17 Cephalic vein
18 Pisohamate ligament
19 Radial nerve (superficial branch)
20 Flexor digitorum profundus muscle (tendons)
21 Radial artery and veins
22 Pisiform
23 Extensor pollicis brevis muscle (tendon)
24 Flexor digitorum superficialis muscle (tendons)
25 Scaphoid
26 Flexor carpi ulnaris muscle (tendon)
27 Trapezium
28 Abductor digiti minimi muscle
29 Abductor pollicis longus muscle (tendon)
30 Ulnar nerve
31 Flexor pollicis longus muscle (tendon)
32 Ulnar artery and veins
33 Flexor carpi radialis muscle (tendon)
34 Palmaris brevis muscle (tendon)
35 Opponens pollicis muscle
36 Palmaris longus muscle (tendon)
37 Flexor retinaculum
38 Median nerve
39 Abductor pollicis brevis muscle

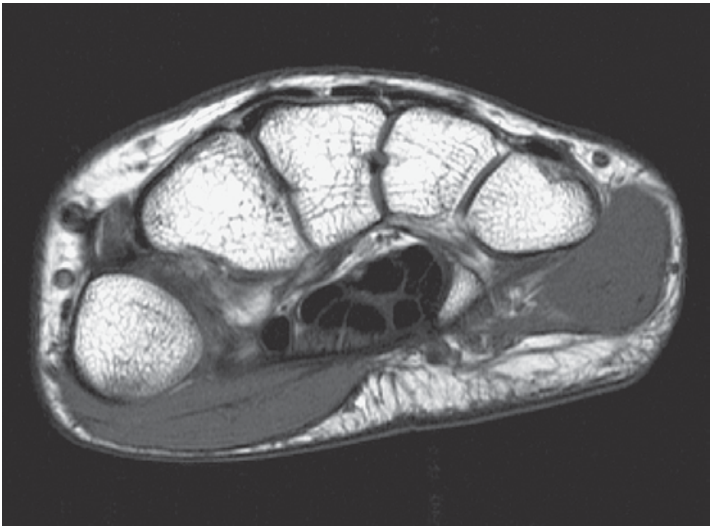


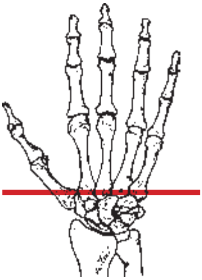


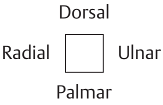

Dorsal
Radial
Ulnar
Palmar

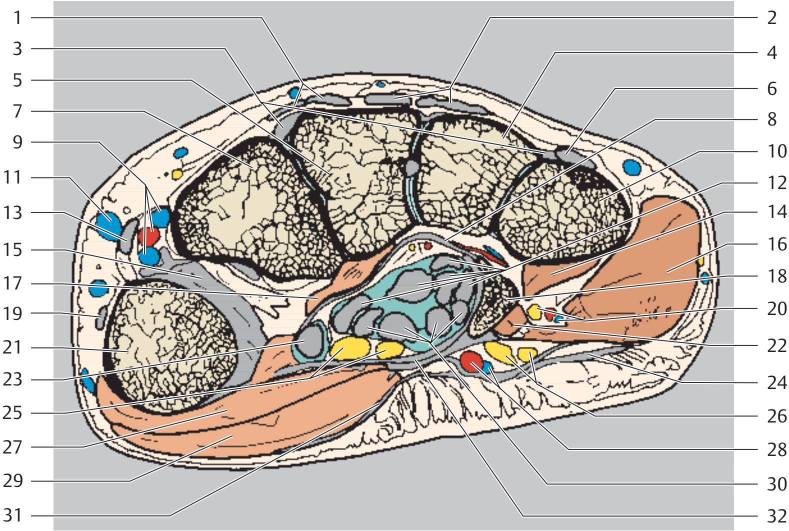


1 Intercarpal (capitatohamate) joint
2 Extensor digitorum muscle (tendons)
3 Extensor indicis muscle (tendon)
4 Extensor digiti minimi muscle (tendon)
5 Extensor carpi radialis brevis muscle (tendon)
6 Hamate
7 Capitate
8 Extensor carpi ulnaris muscle (tendon)
9 Extensor carpi radialis longus muscle (tendon)
10 Metacarpal V (base)
11 Trapezoid
12 Pisometacarpal ligament
13 Extensor pollicis longus muscle (tendon)
14 Flexor digitorum profundus muscle (tendons)
15 Cephalic vein
16 Abductor digiti minimi muscle
17 Radial artery and veins
18 Hook of hamate
19 Radial nerve (superficial branch)
20 Ulnar nerve (deep branch)
21 Palmar intercarpal ligament
22 Flexor digiti minimi muscle
23 Trapezium
24 Flexor digitorum superficialis muscle (tendons)
25 Extensor pollicis brevis muscle (tendon)
26 Ulnar nerve
27 Flexor carpi radialis muscle (tendon)
28 Palmaris brevis muscle
29 Flexor pollicis longus muscle
30 Ulnar artery and veins
31 Abductor pollicis longus muscle (tendon)
32 Flexor retinaculum
33 Opponens pollicis muscle
34 Median nerve
35 Abductor pollicis brevis muscle
36 Palmar aponeurosis

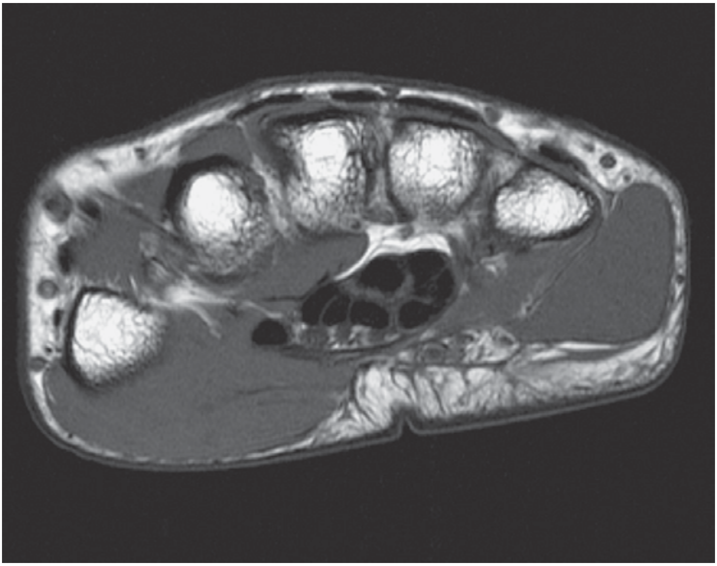


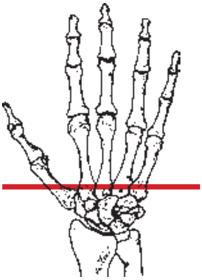


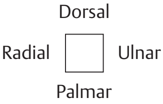

Dorsal
Radial
Ulnar
Palmar

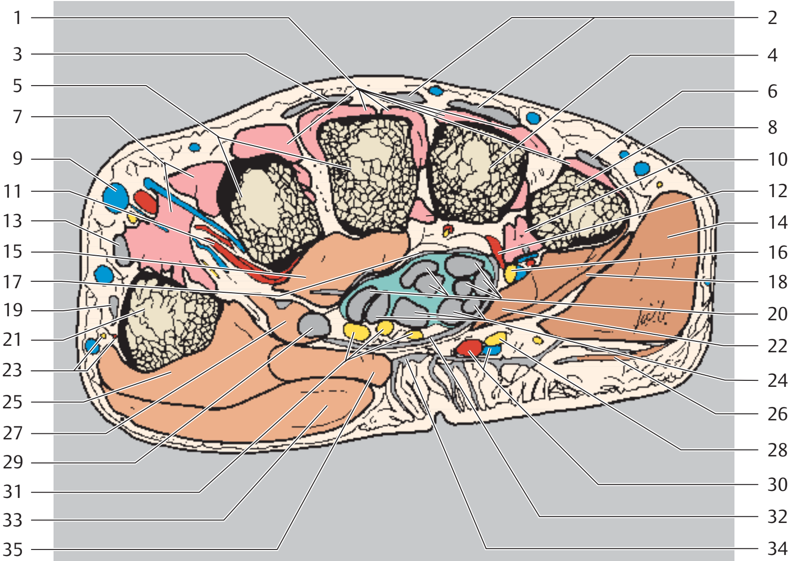


1 Extensor indicis muscle (tendon)
2 Extensor digitorum muscle (tendons)
3 Dorsal metacarpal ligament
4 Metacarpal IV (base)
5 Metacarpal III (base)
6 Extensor digiti minimi muscle (tendon)
7 Metacarpal II (base)
8 Palmar intercarpal ligament
9 Radial artery and veins
10 Metacarpal V (base)
11 Cephalic vein
12 Flexor digitorum profundus muscle (tendons)
13 Extensor pollicis longus muscle (tendon)
14 Opponens digiti minimi muscle
15 Joint capsule
16 Abductor digiti minimi muscle
17 Adductor pollicis muscle (oblique head)
18 Hamate (hook)
19 Extensor pollicis brevis muscle (tendon)
20 Ulnar nerve, artery, and vein (deep branch)
21 Metacarpal I (base)
22 Flexor digiti minimi muscle
23 Flexor pollicis longus muscle (tendon)
24 Palmaris brevis muscle
25 Median nerve
26 Ulnar nerve
27 Opponens pollicis muscle
28 Ulnar artery and vein
29 Abductor pollicis brevis muscle
30 Flexor digitorum superficialis muscle (tendons)
31 Palmar aponeurosis
32 Flexor retinaculum

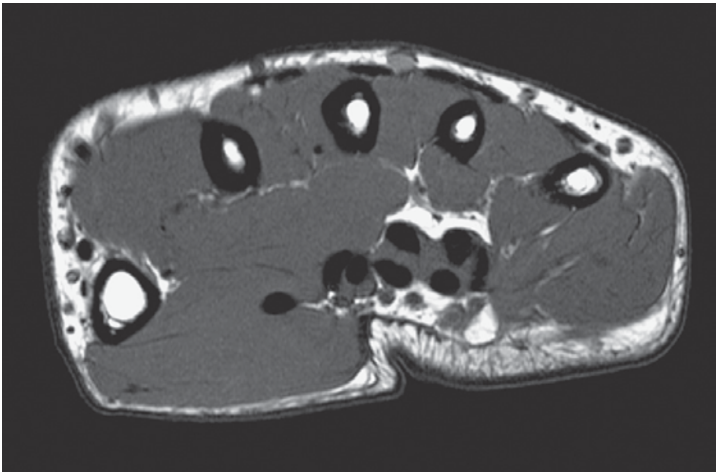


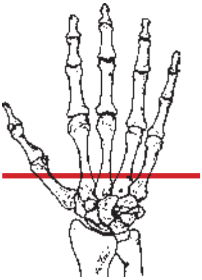


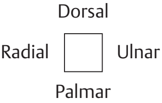

Dorsal
Radial
Ulnar
Palmar

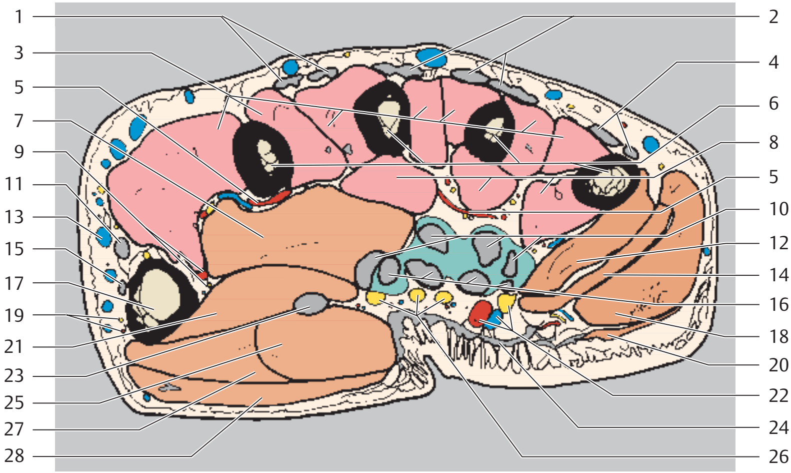


1 Dorsal interosseous muscles
2 Extensor digitorum muscle (tendons)
3 Extensor indicis muscle (tendon)
4 Metacarpal IV (base)
5 Metacarpals II and III (bases)
6 Extensor digiti minimi muscle (tendon)
7 Dorsal interosseous muscle I
8 Metacarpal V
9 Cephalic vein
10 Palmar interosseous muscles
11 Deep palmar arch (from radial artery)
12 Deep palmar arch (from deep ulnar artery)
13 Extensor pollicis longus muscle (tendon)
14 Abductor digiti minimi muscle
15 Adductor pollicis muscle (oblique head)
16 Ulnar nerve (deep branch)
17 Palmar intercarpal ligament
18 Flexor digiti minimi muscle
19 Extensor pollicis brevis muscle (tendon)
20 Flexor digitorum profundus muscle (tendons)
21 Metacarpal I (head)
22 Opponens digiti minimi muscle
23 Dorsal nerve and artery of thumb
24 Flexor digitorum superficialis muscle (tendons)
25 Opponens pollicis muscle
26 Palmaris brevis muscle
27 Flexor pollicis brevis muscle (deep head)
28 Ulnar nerve
29 Flexor pollicis longus muscle (tendon)
30 Ulnar artery and veins
31 Median nerve
32 Flexor retinaculum
33 Abductor pollicis brevis muscle
34 Palmar aponeurosis
35 Flexor pollicis brevis muscle (superficial head)

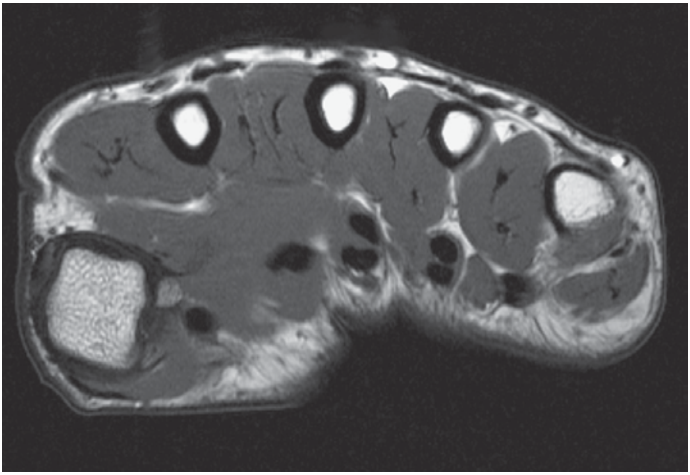


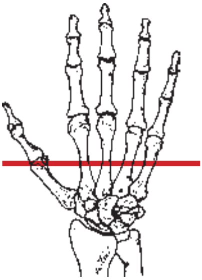


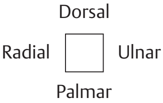

Dorsal
Radial
Ulnar
Palmar

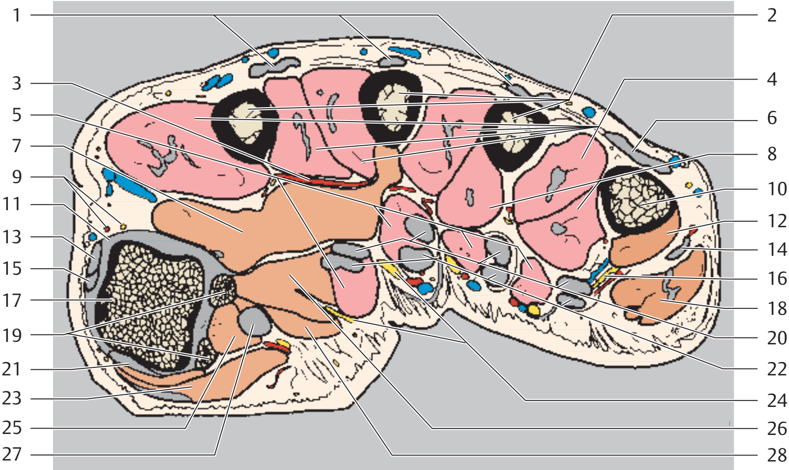


1 Extensor indicis muscle (tendon)
2 Extensor digitorum muscle (tendons)
3 Dorsal interosseous muscles
4 Extensor digiti minimi muscle (tendon)
5 Deep palmar arch
6 Metacarpals II–V (shafts)
7 Adductor pollicis muscle (oblique head)
8 Palmar interosseous muscles
9 Princeps pollicis artery and palmar digital nerve (of thumb)
10 Flexor digitorum profundus muscle (tendons)
11 Extensor pollicis longus muscle (tendon)
12 Opponens digiti minimi muscle
13 Cephalic vein (of thumb)
14 Flexor digiti minimi brevis muscle
15 Extensor pollicis brevis muscle (tendon)
16 Flexor digitorum superficialis muscle (tendons)
17 Metacarpal I (shaft)
18 Abductor digiti minimi muscle
19 Dorsal digital artery and nerve of thumb
20 Palmaris brevis muscle
21 Flexor pollicis brevis muscle (deep head)
22 Ulnar nerve, artery, and vein
23 Flexor pollicis brevis muscle (superficial head)
24 Palmar aponeurosis
25 Flexor pollicis brevis muscle (superficial head)
26 Median nerve
27 Opponens pollicis muscle
28 Abductor pollicis brevis muscle

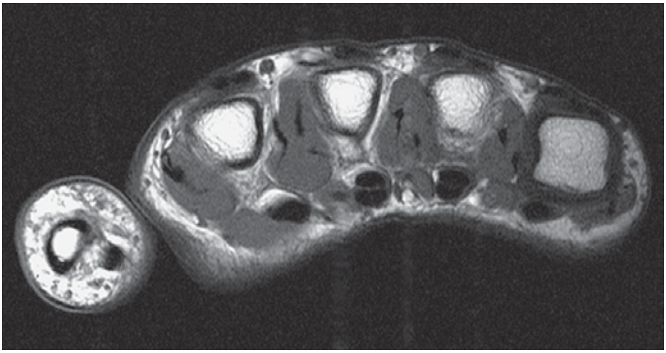


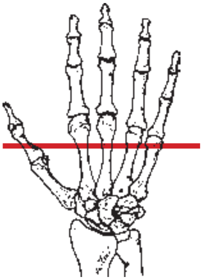


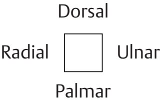

Dorsal
Radial
Ulnar
Palmar

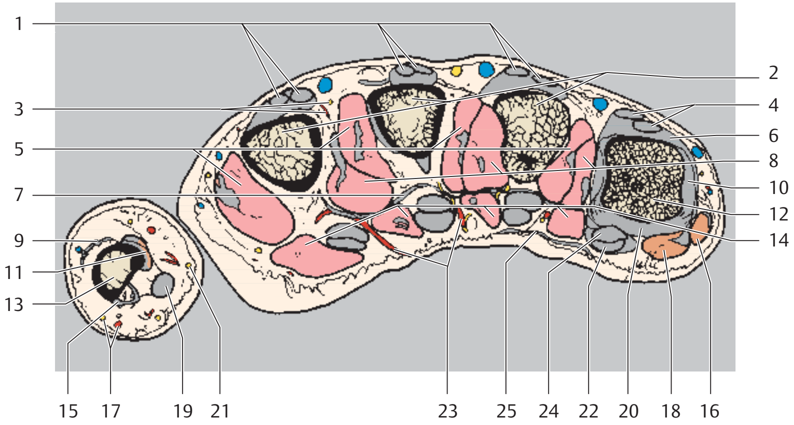


1	Extensor digitorum muscle (tendons)
2	Metacarpals II–IV (shafts)
3	Deep palmar arch
4	Dorsal interosseous muscles
5	Lumbrical muscles
6	Extensor digiti minimi muscle (tendon)
7	Adductor pollicis muscle (transverse head)
8	Palmar interosseous muscles
9	Dorsal digital nerve and artery of thumb
10	Metacarpal V (head)
11	Collateral ligament
12	Opponens digiti minimi muscle (tendon)
13	Extensor pollicis brevis muscle (tendon)
14	Flexor digiti minimi brevis muscle
15	Extensor pollicis brevis muscle (tendon)
16	Ulnar nerve (superficial branch)
17	Metacarpal I (head)
18	Abductor digiti minimi muscle
19	Sesamoid bones
20	Flexor digitorum profundus muscle (tendons)
21	Opponens pollicis muscle (+ tendon attachment)
22	Flexor digitorum superficialis muscle (tendons)
23	Abductor pollicis brevis muscle
24	Common palmar digital nerves of median nerve
25	Flexor pollicis brevis muscle (superficial head)
26	Adductor pollicis muscle (oblique head)
27	Flexor pollicis longus muscle (tendon)
28	Flexor pollicis brevis muscle (deep head)

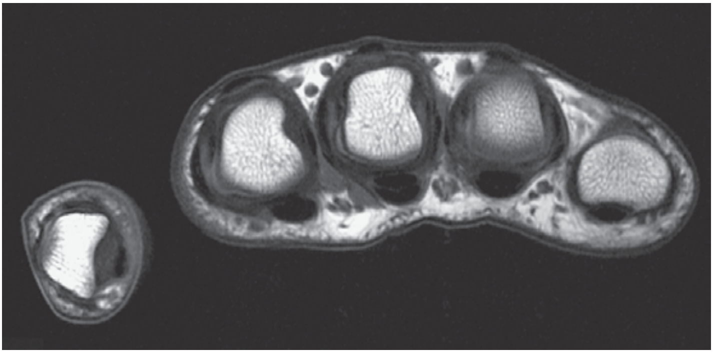


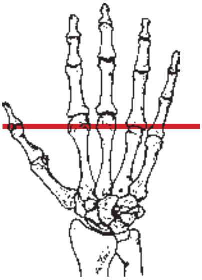



Dorsal
Radial
Ulnar
Palmar



1 Extensor digitorum muscle (tendons)
2 Metacarpals II–IV (shafts)
3 Dorsal digital artery and nerve
4 Extensor digiti minimi muscle (tendon)
5 Dorsal interosseous muscles
6 Dorsal (extensor) expansion
7 Deep transverse metacarpal ligament
8 Palmar interosseous muscles
9 Extensor pollicis muscle (aponeurosis)
10 Collateral ligament
11 Adductor pollicis muscle (tendon attachment)
12 Metacarpal V (head)
13 First proximal phalanx
14 Lumbrical muscles
15 Flexor pollicis brevis muscle and abductor pollicis brevis muscle (tendon attachment)
16 Abductor digiti minimi muscle
17 Dorsal digital nerve and artery of thumb
18 Flexor digiti minimi brevis muscle
19 Flexor pollicis longus muscle (tendon)
20 Palmar ligament
21 Palmar digital artery and nerve of thumb
22 Flexor digitorum superficialis muscle (tendons)
23 Palmar digital arteries and nerves
24 Flexor digitorum profundus muscle (tendons)
25 Palmar aponeurosis with longitudinal fasciculi

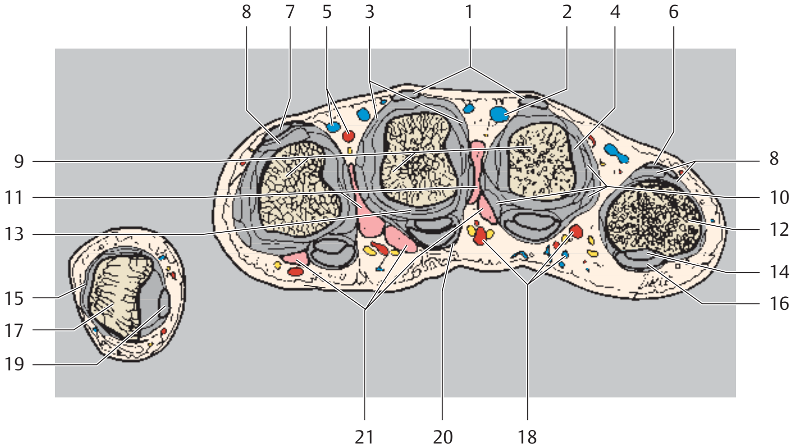




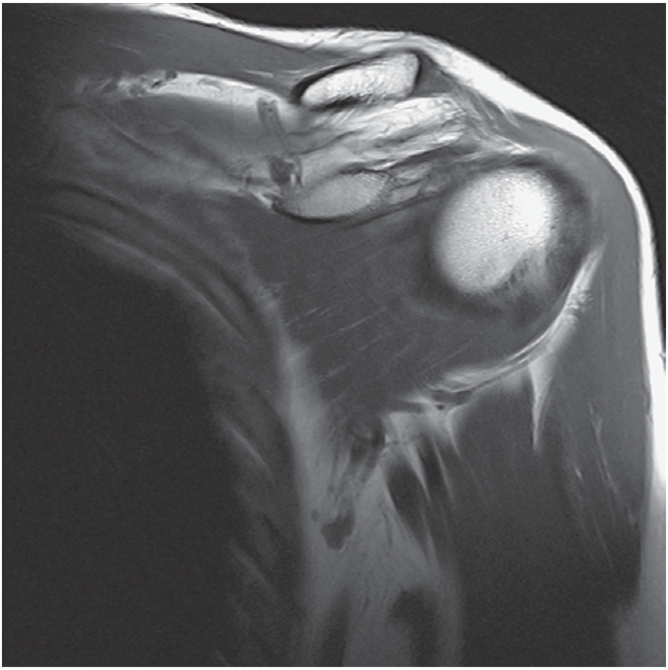
Dorsal

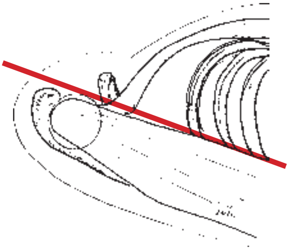
Radial ☐ Ulnar

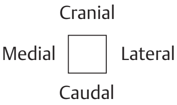
Palmar

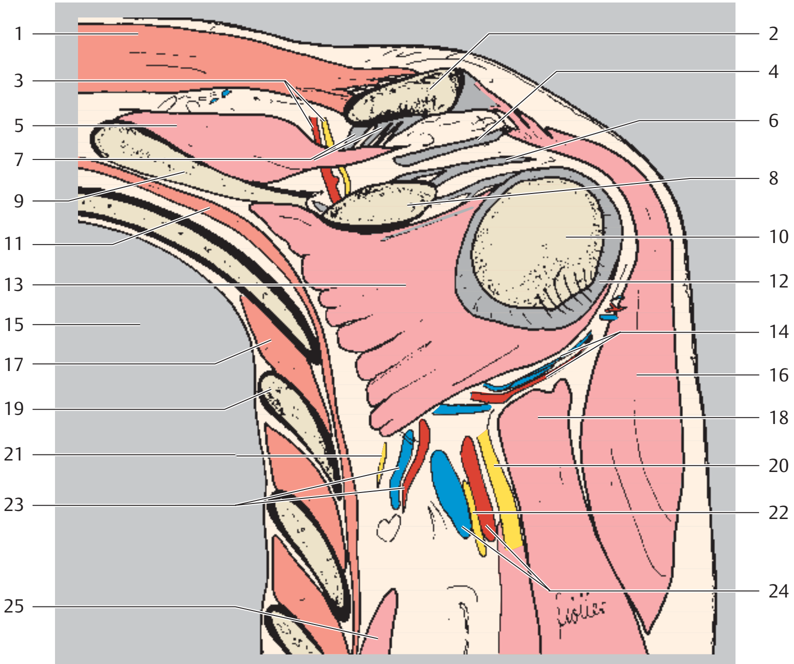


1 Extensor digitorum muscle (tendons)
2 Dorsal digital vein
3 Sagittal ligament
4 Collateral ligament
5 Dorsal digital artery and nerve
6 Extensor digiti minimi muscle (tendon)
7 Extensor indicis muscle (tendon)
8 Dorsal (extensor) expansion (“dorsal aponeurosis”)
9 Metacarpals (shafts)
10 Interosseous muscle (tendon)
11 Interosseous muscle
12 Proximal phalanx V (base)
13 Palmar ligament
14 Flexor digitorum profundus muscle (tendons)
15 Extensor pollicis muscle (aponeurosis)
16 Flexor digitorum superficialis muscle (tendon)
17 Proximal phalanx I
18 Palmar digital arteries and nerves
19 Flexor pollicis longus muscle (tendon)
20 Annular ligament
21 Lumbrical muscle

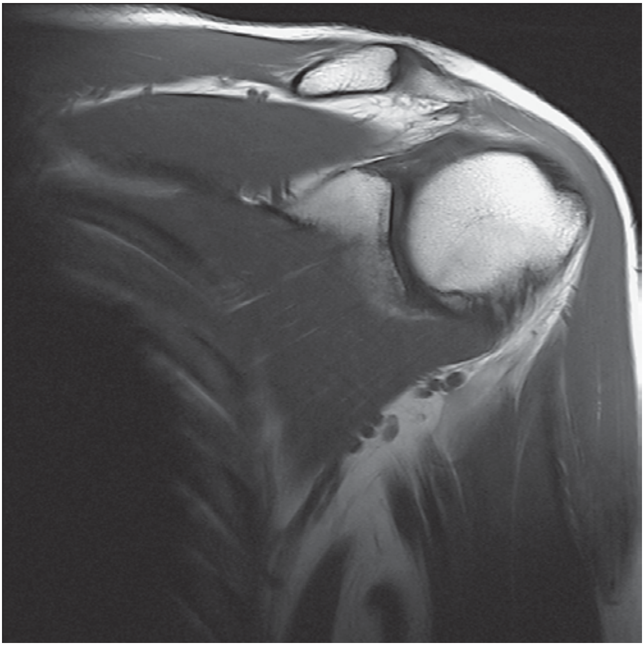


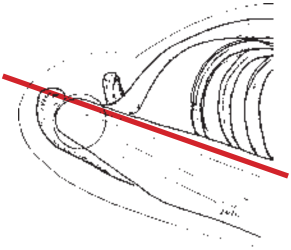



Cranial
Medial
Lateral
Caudal



1	Trapezius muscle
2	Clavicle
3	Suprascapular artery and vein
4	Coracoacromial ligament
5	Supraspinatus muscle
6	Coracohumeral ligament
7	Coracoclavicular ligament
8	Coracoid process
9	Scapula (superior border)
10	Humerus (head)
11	Serratus anterior muscle
12	Joint capsule
13	Subscapularis muscle
14	Anterior circumflex humeral artery and vein
15	Lung
16	Deltoid muscle
17	Intercostal muscle
18	Coracobrachialis muscle
19	Rib
20	Radial nerve
21	Thoracodorsal nerve
22	Median nerve
23	Suprascapular artery and vein
24	Brachial artery and vein
25	Latissimus dorsi muscle

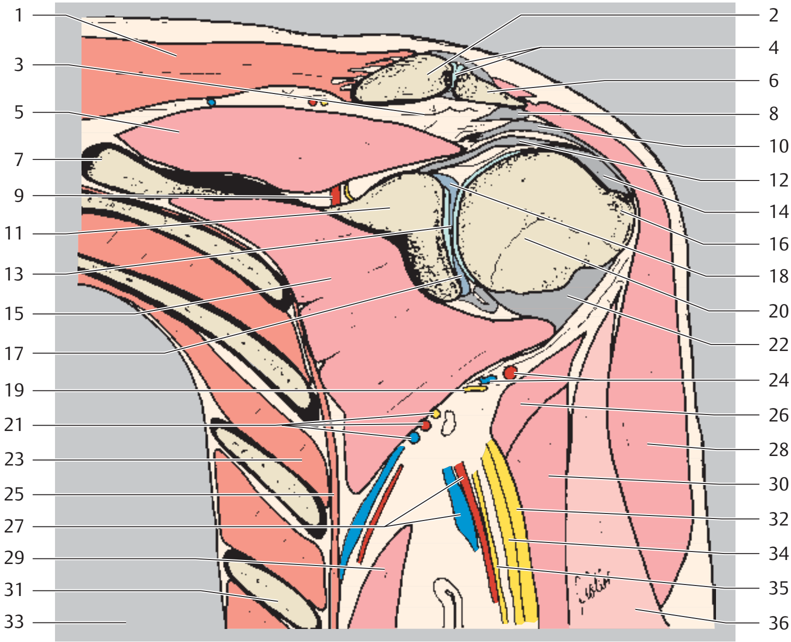




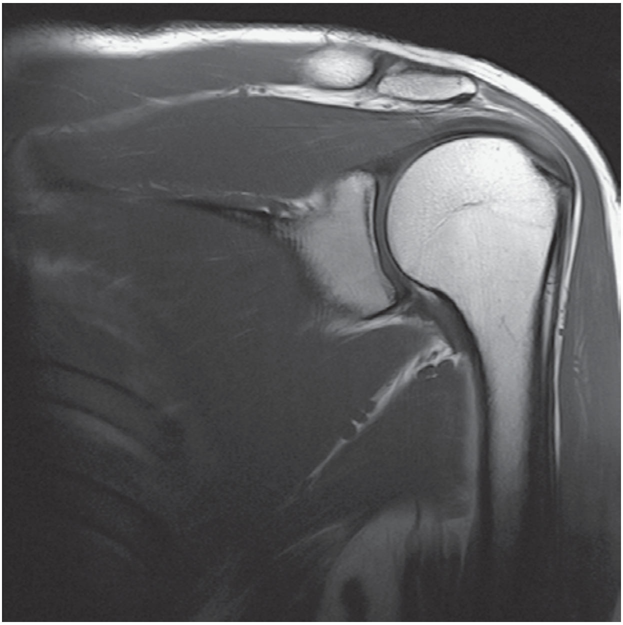
Cranial

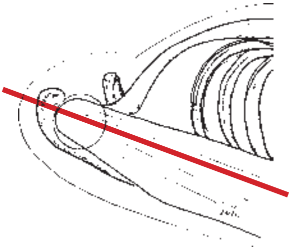
Medial ☐ Lateral

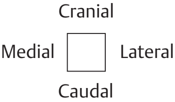
Caudal

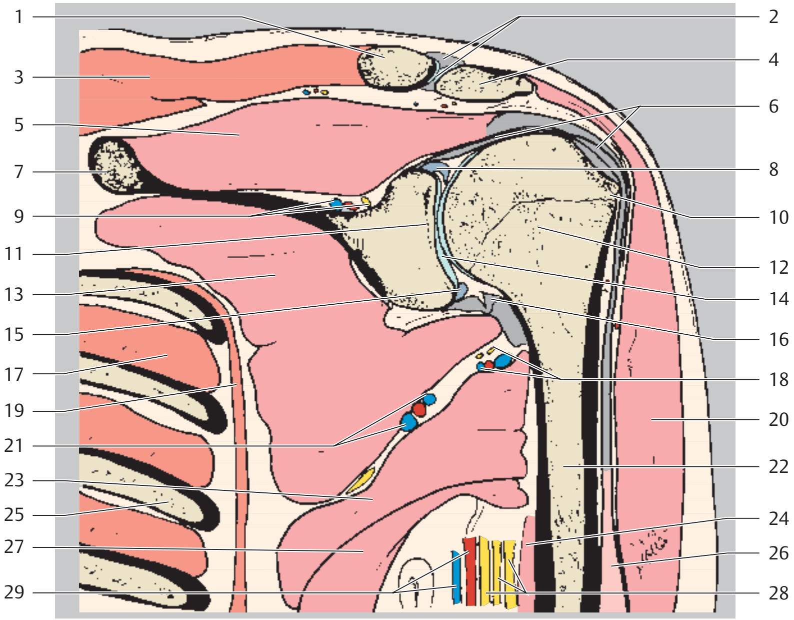


1 Trapezius muscle
2 Clavicle
3 Subacromial bursa
4 Acromioclavicular joint and acromioclavicular ligament
5 Supraspinatus muscle
6 Acromion
7 Scapula
8 Coracoacromial ligament
9 Suprascapular artery and vein
10 Coracohumeral ligament
11 Glenoid
12 Biceps brachii muscle (long head, tendon)
13 Glenohumeral joint
14 Supraspinatus muscle (tendon attachment)
15 Subscapularis muscle
16 Greater tubercle
17 Glenoid labrum (inferior)
18 Glenoid labrum (superior)
19 Axillary nerve
20 Humerus (head)
21 Subscapular artery, vein, and nerve
22 Glenohumeral ligament
23 Intercostal muscle
24 Posterior circumflex humeral artery and vein
25 Serratus anterior muscle
26 Teres major muscle
27 Axillary artery and vein
28 Deltoid muscle
29 Latissimus dorsi muscle
30 Coracobrachialis muscle
31 Rib
32 Radial nerve
33 Lung
34 Median nerve
35 Ulnar nerve
36 Biceps muscle (long head)

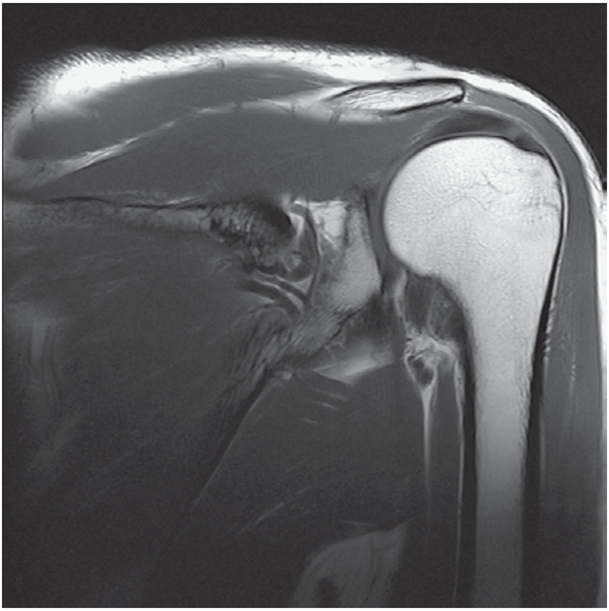


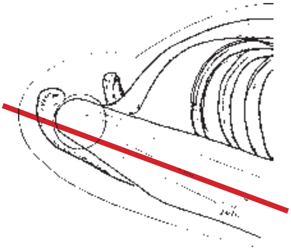



Cranial
Medial
Lateral
Caudal



1 Clavicle
2 Acromioclavicular joint and acromioclavicular ligament
3 Trapezius muscle
4 Acromion
5 Supraspinatus muscle
6 Biceps brachii muscle (long head, tendon)
7 Scapula
8 Glenoid labrum (superior)
9 Suprascapular artery, vein, and nerve
10 Greater tubercle
11 Glenoid
12 Humerus (head)
13 Subscapularis muscle
14 Glenohumeral joint
15 Glenoid labrum (inferior)
16 Axillary recess
17 Intercostal muscle
18 Posterior circumflex humeral artery and vein and axillary nerve
19 Serratus anterior muscle
20 Deltoid muscle
21 Subscapular artery and vein
22 Humerus (shaft)
23 Teres major muscle
24 Coracobrachialis muscle
25 Rib
26 Biceps brachii muscle (long head)
27 Latissimus dorsi muscle
28 Ulnar, medial, and radial nerves
29 Brachial artery and vein

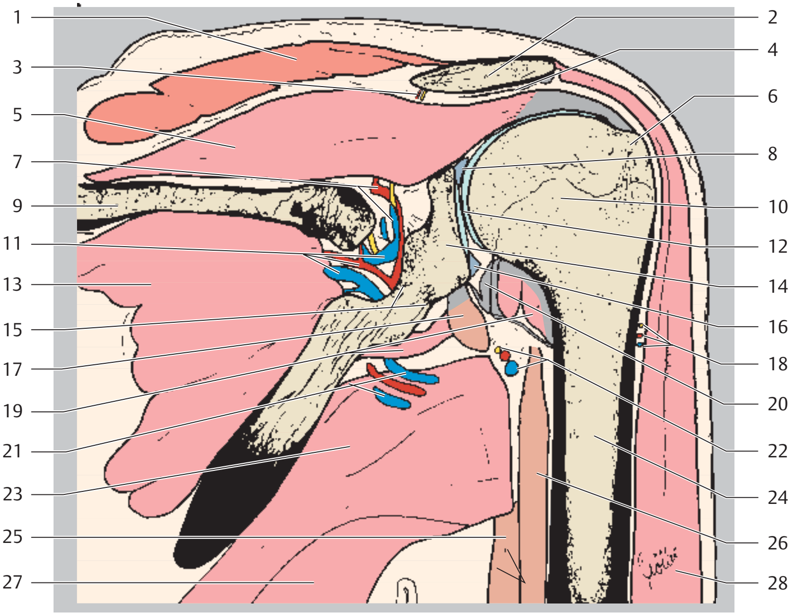




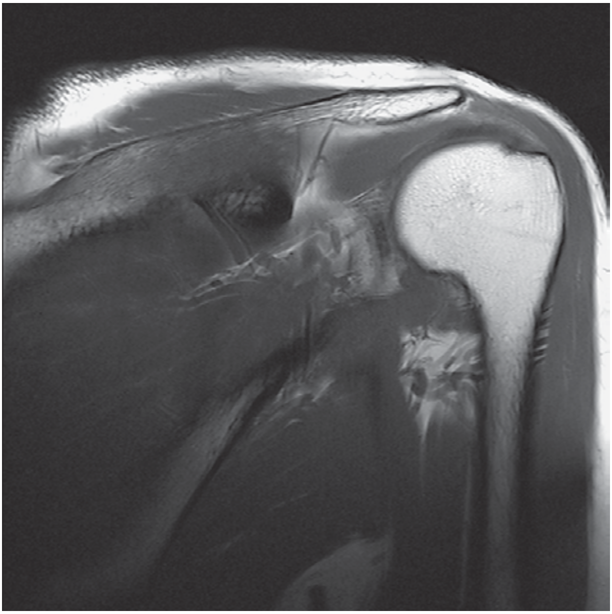
Cranial

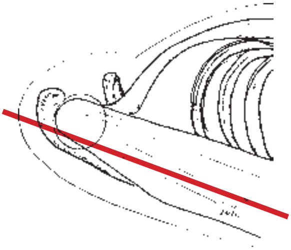
Medial Lateral

Caudal



1 Trapezius muscle
2 Acromion
3 Suprascapular artery and vein (acromial branch)
4 Subacromial bursa
5 Supraspinatus muscle
6 Lesser tubercle
7 Suprascapular artery, vein, and nerve
8 Glenoid labrum (superior)
9 Scapula
10 Humerus (head)
11 Circumflex scapular artery and vein
12 Glenohumeral joint
13 Infraspinatus muscle
14 Glenoid
15 Neck of scapula
16 Glenoid labrum (inferior)
17 Triceps brachii muscle (long head, tendon attachment)
18 Posterior circumflex humeral artery and vein and axillary nerve (muscular branches)
19 Teres minor muscle
20 Axillary recess
21 Subscapular artery and vein
22 Posterior circumflex humeral artery and vein and axillary nerve
23 Teres major muscle
24 Humerus (shaft)
25 Triceps brachii muscle (long head)
26 Triceps brachii muscle (lateral head)
27 Latissimus dorsi muscle
28 Deltoid muscle

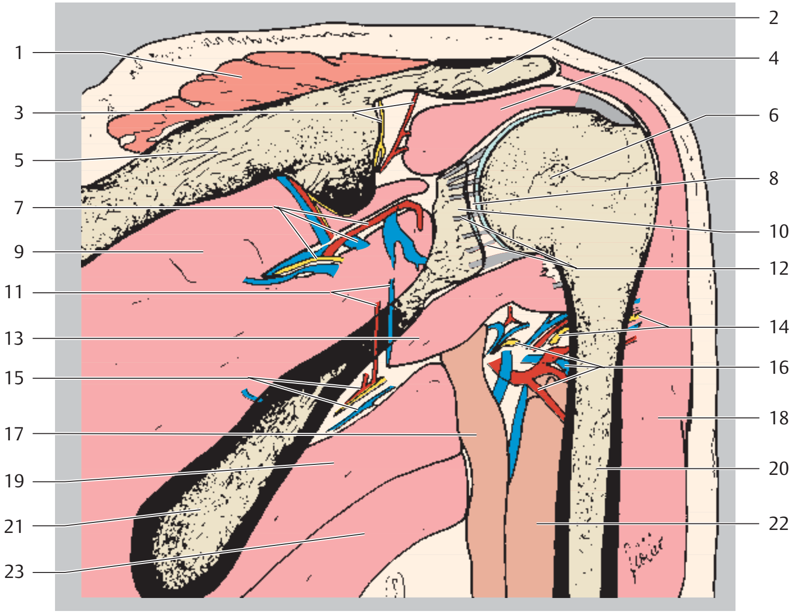




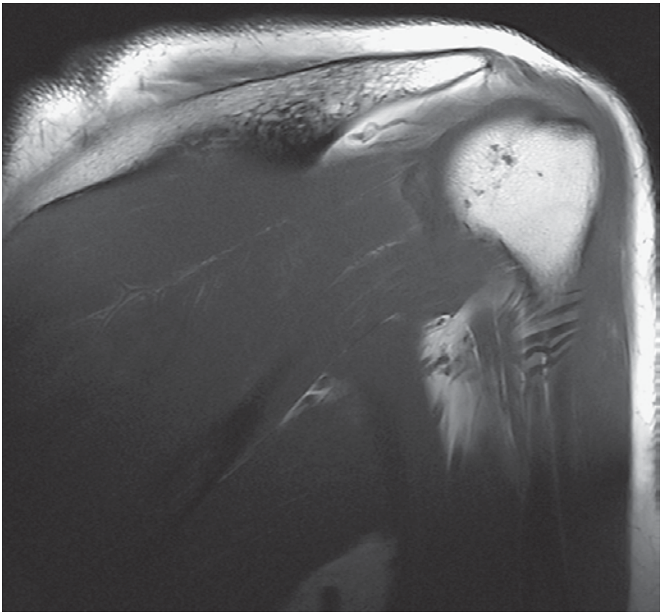
Cranial

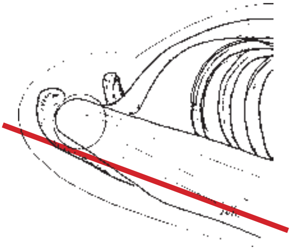
Medial Lateral

Caudal



1 Trapezius muscle
2 Acromion
3 Subscapular artery, vein, and nerve (acromial branch)
4 Supraspinatus muscle
5 Spine of scapula
6 Humerus (head)
7 Scapular artery, vein, and nerve
8 Glenohumeral joint
9 Infraspinatus muscle
10 Glenoid
11 Circumflex scapular artery and vein
12 Joint capsule
13 Teres minor muscle
14 Posterior circumflex humeral artery and vein and axillary nerve (muscular branches)
15 Subscapular artery and vein
16 Posterior circumflex humeral artery and vein and axillary nerve
17 Triceps brachii muscle (long head)
18 Deltoid muscle
19 Teres major muscle
20 Humerus (shaft)
21 Scapula
22 Triceps brachii muscle (lateral head)
23 Latissimus dorsi muscle

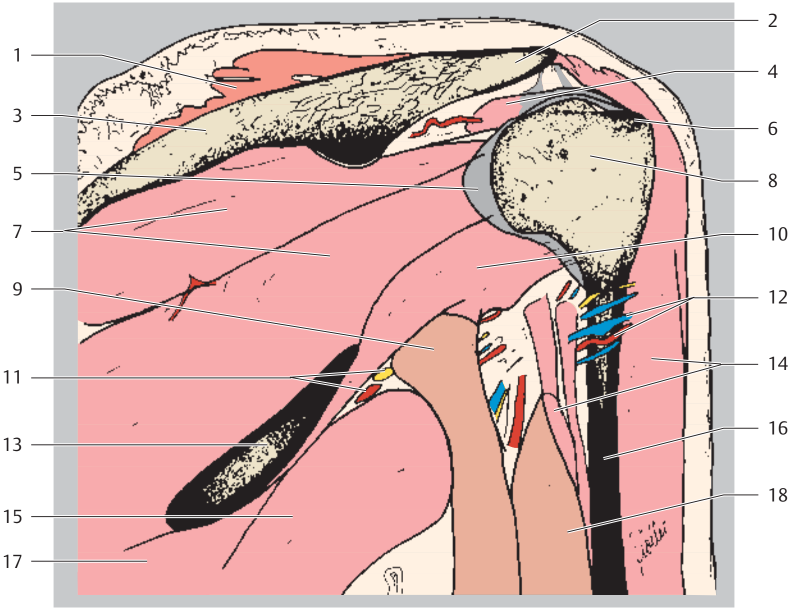




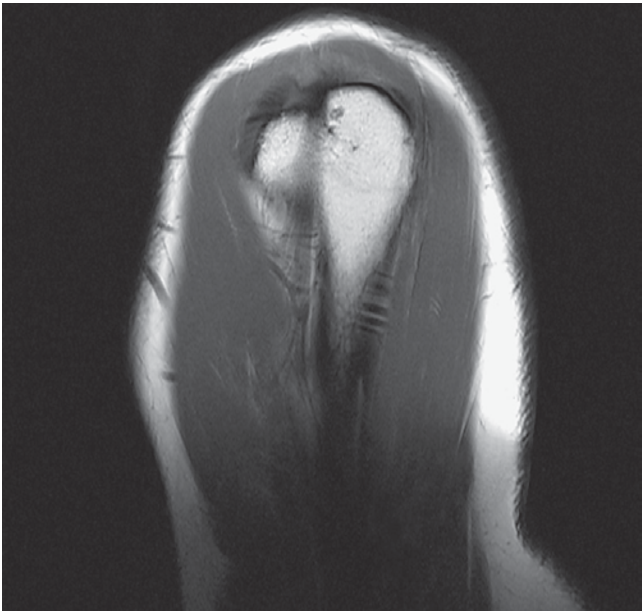
Cranial

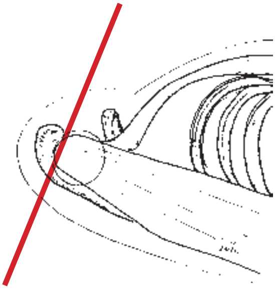
Medial ☐ Lateral

Caudal



1	Trapezius muscle
2	Acromion
3	Spine of scapula
4	Supraspinatus muscle
5	Joint capsule
6	Lesser tubercle
7	Infraspinatus muscle
8	Humerus (head)
9	Triceps brachii muscle (long head)
10	Teres minor muscle
11	Subscapular artery and vein
12	Posterior circumflex humeral artery and vein and axillary nerve
13	Scapula
14	Deltoid muscle
15	Teres major muscle
16	Humerus (shaft)
17	Latissimus dorsi muscle
18	Triceps brachii muscle (lateral head)

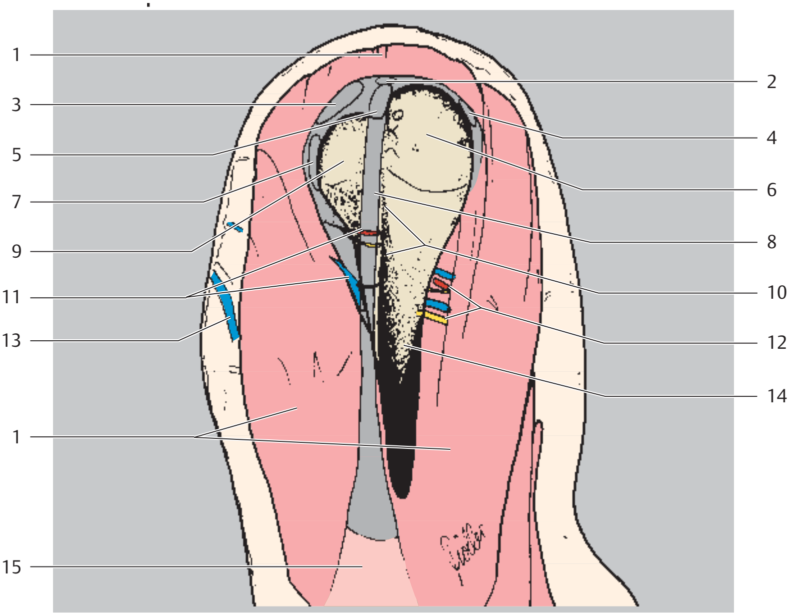




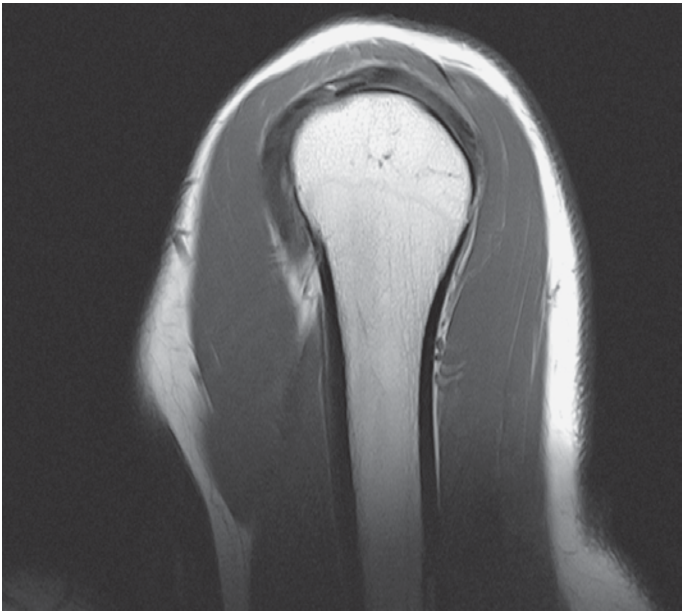
Cranial

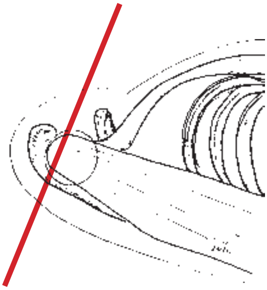
Ventral ☐ Dorsal

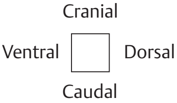
Caudal

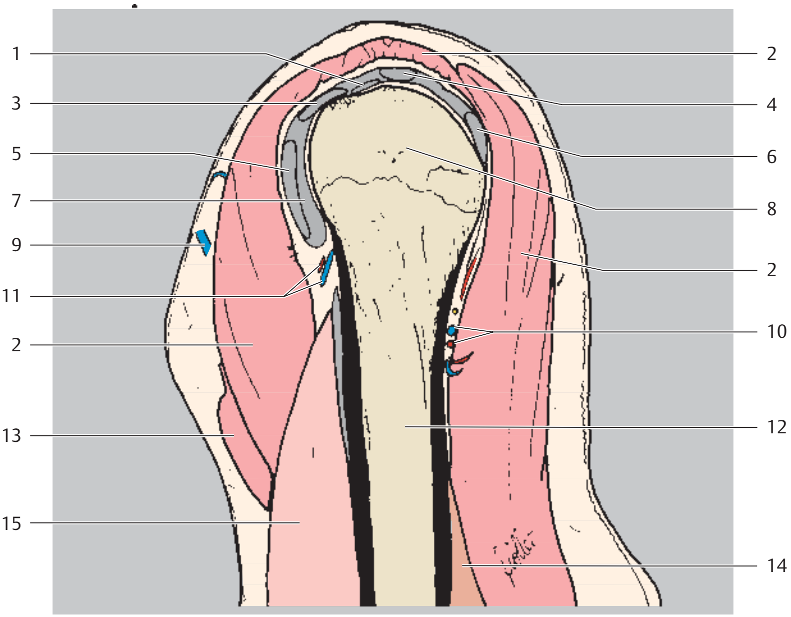


1	Deltoid muscle (acromial part)
2	Supraspinatus muscle (tendon)
3	Glenohumeral ligament (superior)
4	Infraspinatus muscle (tendon)
5	Intertubercular sulcus (bicipital groove)
6	Lesser tubercle
7	Glenohumeral ligament (middle)
8	Biceps brachii muscle (long head, tendon)
9	Lesser tubercle
10	Crest of greater tubercle
11	Anterior circumflex humeral artery and vein
12	Posterior circumflex humeral artery and vein
13	Cephalic vein
14	Humerus (shaft)
15	Biceps brachii muscle (long head)

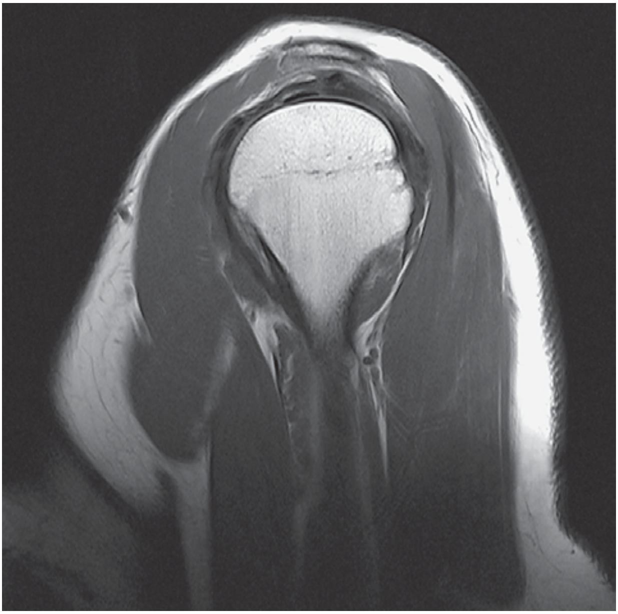


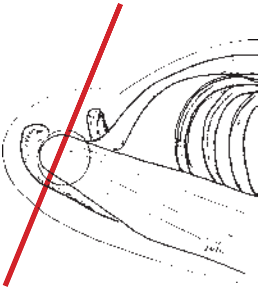


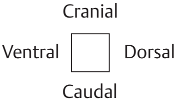

Cranial
Ventral
Dorsal
Caudal

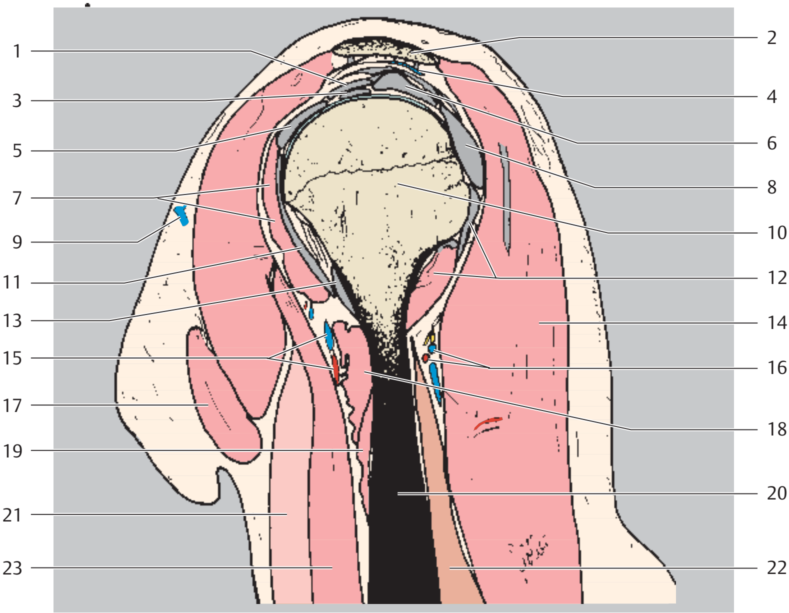


1 Biceps brachii muscle (long head, tendon)
2 Deltoid muscle (acromial part)
3 Glenohumeral ligament (superior)
4 Supraspinatus muscle (tendon)
5 Glenohumeral ligament (middle)
6 Infraspinatus muscle (tendon)
7 Joint capsule
8 Humerus (head)
9 Cephalic vein
10 Posterior circumflex humeral artery and vein
11 Anterior circumflex humeral artery and vein
12 Humerus (shaft)
13 Pectoralis major muscle
14 Triceps brachii muscle (medial head)
15 Biceps brachii muscle (long head)

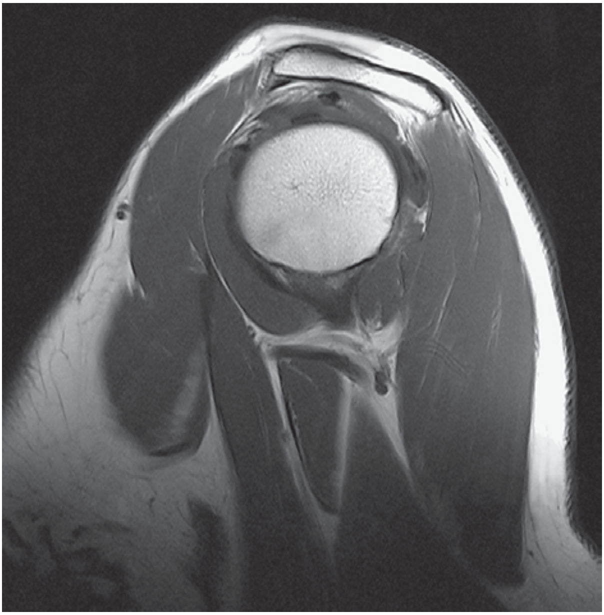


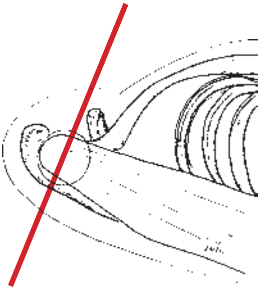


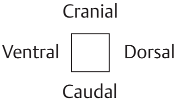

Cranial
Ventral
Dorsal
Caudal

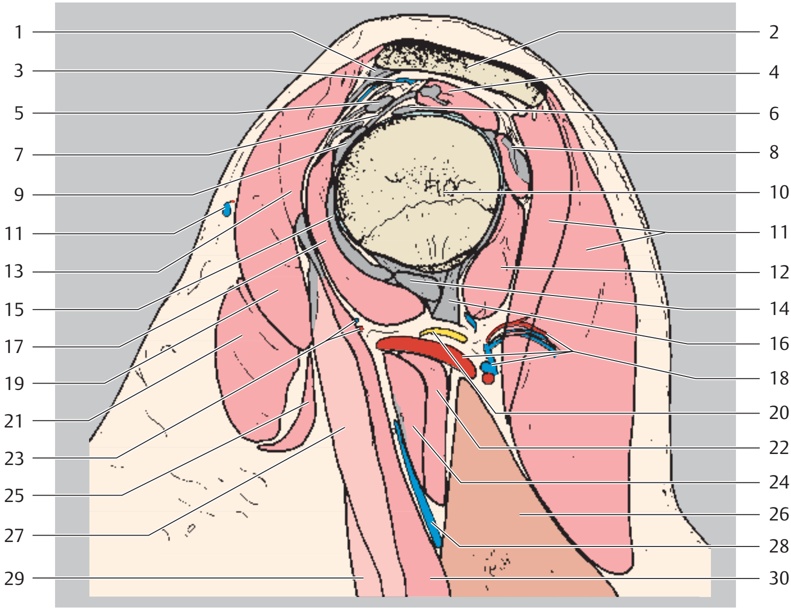


1	Transverse humeral ligament
2	Acromion
3	Biceps brachii muscle (long head, tendon)
4	Subdeltoid bursa
5	Glenohumeral ligament (superior)
6	Supraspinatus muscle (tendon)
7	Subscapularis muscle
8	Infraspinatus muscle (tendon)
9	Cephalic vein
10	Humerus (head)
11	Glenohumeral ligament (middle)
12	Teres minor muscle (+ tendon attachment)
13	Glenohumeral ligament (inferior)
14	Deltoid muscle (acromial part)
15	Anterior circumflex humeral artery and vein
16	Posterior circumflex humeral artery and vein
17	Pectoralis major muscle
18	Latissimus dorsi muscle
19	Teres major muscle
20	Humerus (shaft)
21	Biceps brachii muscle (long head)
22	Triceps brachii muscle (medial head)
23	Coracobrachial muscle

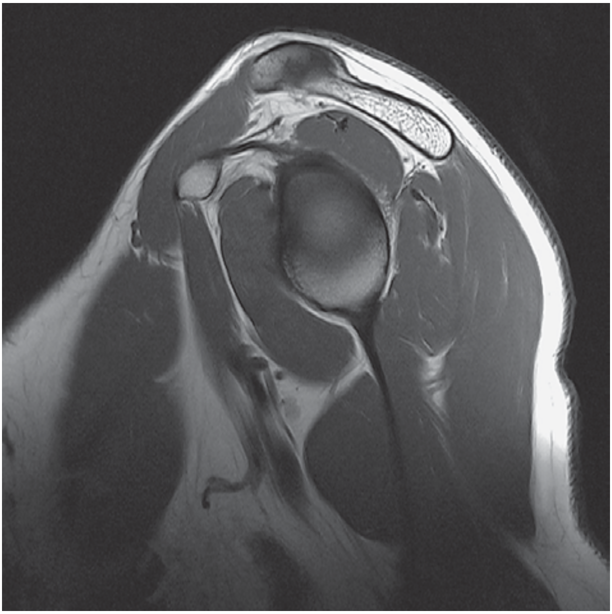


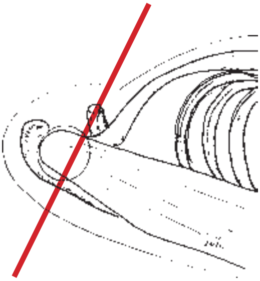


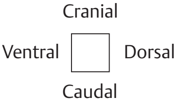

Cranial
Ventral
Dorsal
Caudal

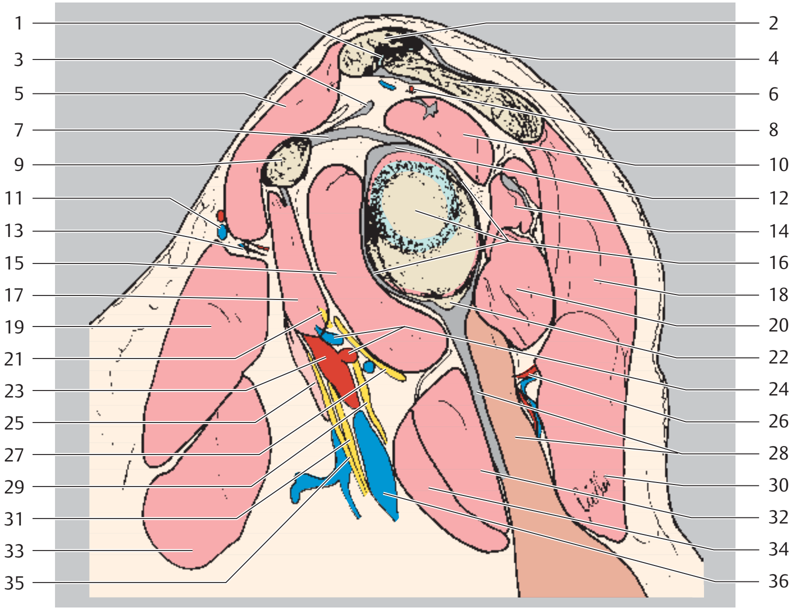


1 Coracoacromial ligament
2 Acromion
3 Subacromial bursa
4 Supraspinatus muscle (+ tendon)
5 Coracohumeral ligament
6 Biceps brachii muscle (long head, tendon)
7 Transverse humeral ligament
8 Infraspinatus muscle (+ tendon)
9 Superior glenohumeral ligament
10 Humerus (head)
11 Cephalic vein
12 Teres minor muscle
13 Deltoid muscle (acromial part)
14 Inferior glenohumeral ligament
15 Middle glenohumeral ligament
16 Teres major muscle (tendon)
17 Subscapularis muscle
18 Posterior circumflex humeral artery and vein + muscular branches
19 Deltoid muscle (clavicular part)
20 Axillary nerve
21 Pectoralis major muscle
22 Teres major muscle
23 Anterior circumflex humeral artery and vein
24 Latissimus dorsi muscle
25 Pectoralis minor muscle
26 Triceps brachii muscle (long head)
27 Biceps brachii muscle (short head + tendon)
28 Basilic vein
29 Biceps brachii muscle (long head)
30 Coracobrachialis muscle

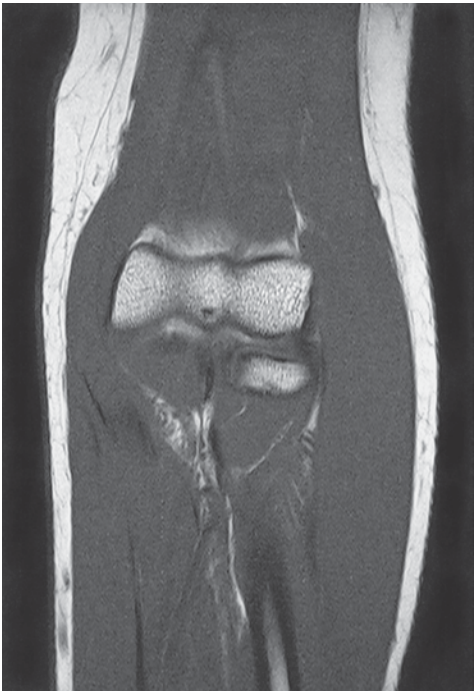


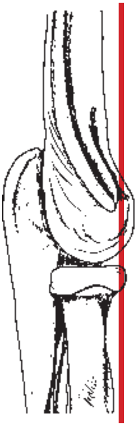



Cranial
Ventral
Dorsal
Caudal



1 Acromioclavicular joint
2 Clavicle
3 Coracoacromial ligament
4 Acromioclavicular ligament
5 Deltoid muscle (clavicular part)
6 Acromion
7 Coracohumeral ligament
8 Thoracoacromial artery (acromial branch)
9 Coracoid process
10 Supraspinatus muscle (+ tendon)
11 Cephalic vein
12 Biceps brachii muscle (long head, tendon attachment)
13 Thoracoacromial artery (deltoid branch)
14 Infraspinatus muscle (+ tendon)
15 Subscapularis muscle
16 Glenohumeral joint and joint capsule
17 Coracobrachialis muscle
18 Deltoid muscle (acromial part)
19 Pectoralis major muscle
20 Teres major muscle
21 Musculocutaneous nerve
22 Infraglenoid tubercle
23 Brachial artery
24 Posterior circumflex humeral artery and vein
25 Biceps brachii muscle (short head)
26 Posterior circumflex humeral artery and vein (muscular branches)
27 Axillary nerve
28 Triceps brachii muscle (long head + tendon)
29 Radial nerve
30 Deltoid muscle (spinal part)
31 Ulnar nerve
32 Teres major muscle
33 Pectoralis minor muscle
34 Latissimus dorsi muscle
35 Median nerve
36 Brachial vein



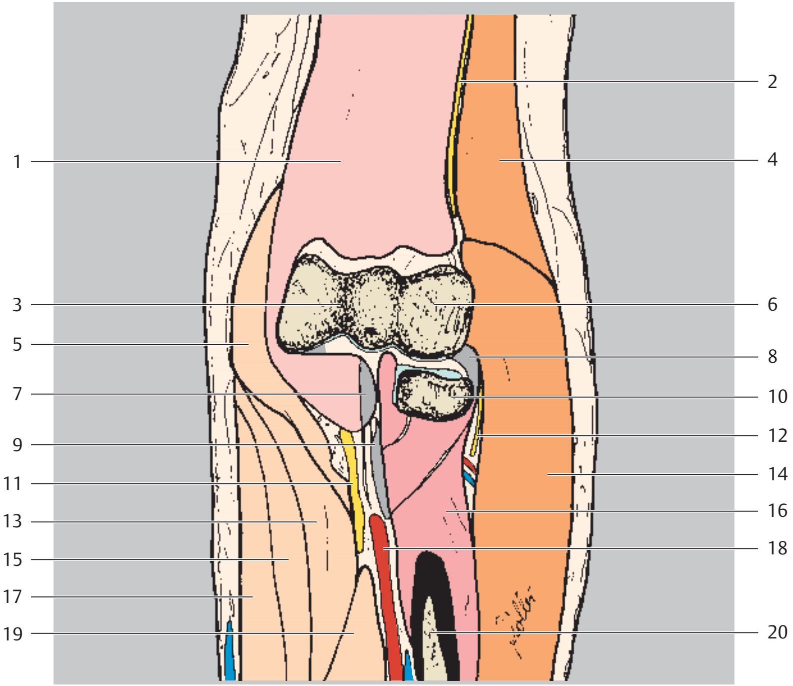


Proximal

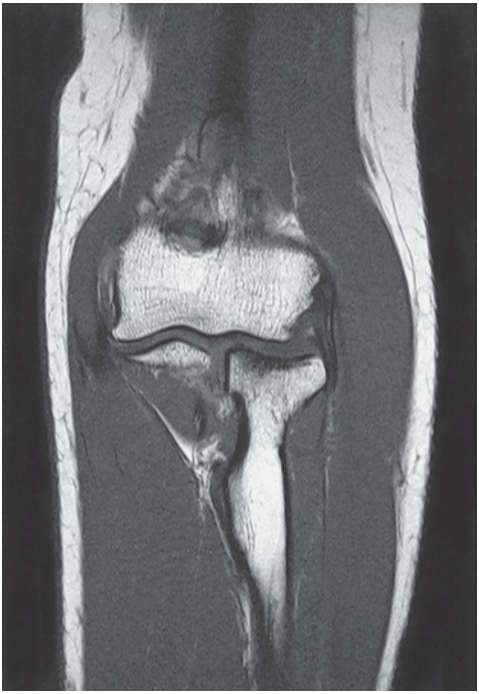
Ulnar
Medial

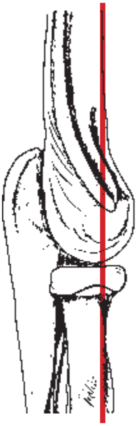
Radial
Lateral

Distal



1 Brachialis muscle
2 Radial nerve
3 Trochlea of humerus
4 Brachioradialis muscle
5 Pronator teres muscle
6 Capitulum of humerus
7 Brachialis muscle (tendon)
8 Annular ligament and radial collateral ligament of wrist joint
9 Biceps brachii muscle (tendon)
10 Radius (head)
11 Median nerve
12 Radial nerve (deep branch)
13 Flexor carpi radialis muscle
14 Extensor carpi radialis longus and brevis muscles
15 Palmaris longus muscle
16 Supinator muscle
17 Flexor carpi ulnaris muscle
18 Interosseous artery and vein
19 Flexor digitorum profundus muscle
20 Radius (shaft)



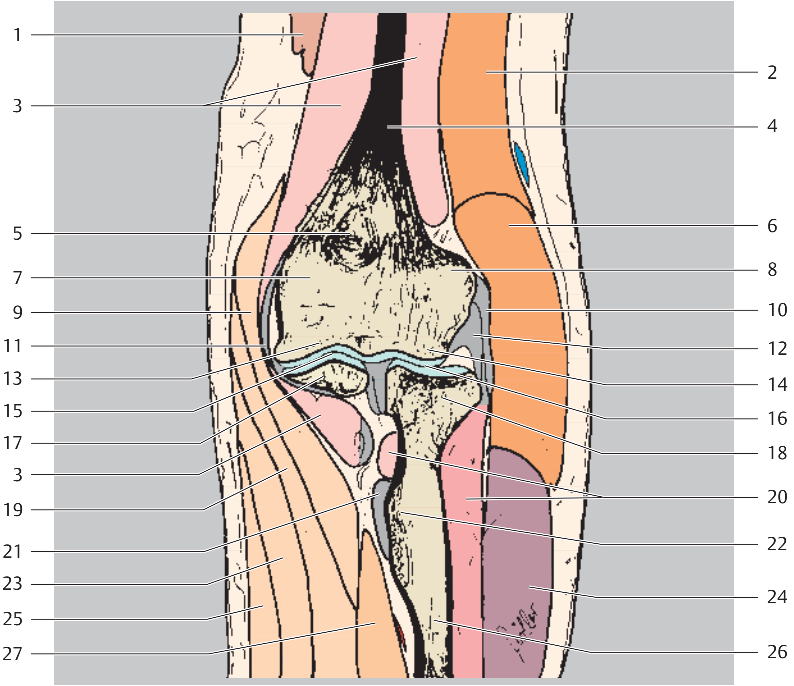


Proximal

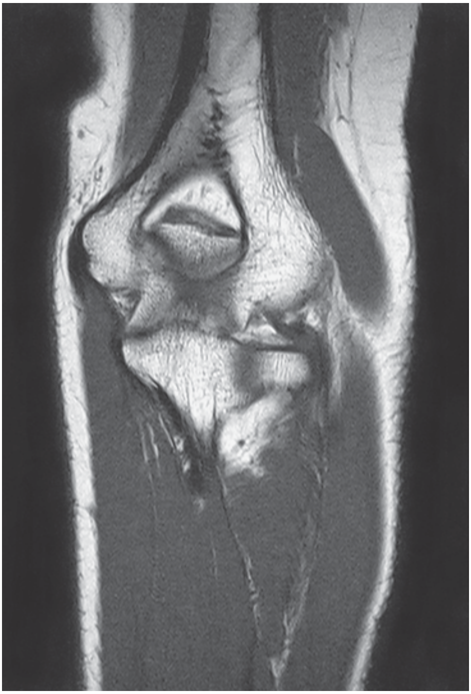
Ulnar
Medial

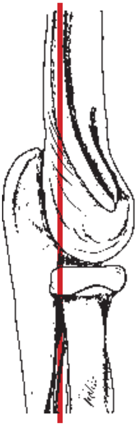
Radial
Lateral

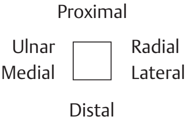
Distal

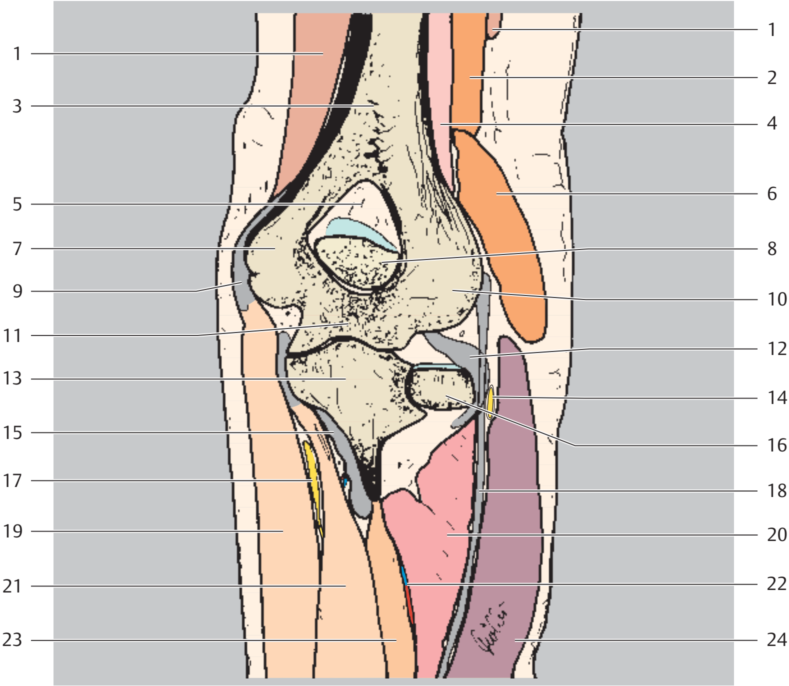


1	Triceps brachii muscle	14	Capitulum of humerus
2	Brachioradialis muscle	15	Humeroulnar joint
3	Brachialis muscle	16	Humeroradial joint
4	Humerus (shaft)	17	Ulna (coronoid process)
5	Coronoid fossa	18	Radius (head)
6	Extensor carpi radialis longus muscle	19	Flexor carpi radialis muscle
7	Medial epicondyle	20	Supinator muscle
8	Lateral epicondyle	21	Biceps brachii muscle (tendon)
9	Pronator teres muscle	22	Radial tuberosity
10	Common extensor tendons (attachment)	23	Palmaris longus muscle
11	Medial collateral ligament	24	Extensor digitorum muscle
12	Radial collateral ligament	25	Flexor digitorum superficialis muscle
13	Trochlea of humerus	26	Radius (head)
		27	Flexor digitorum profundus muscle

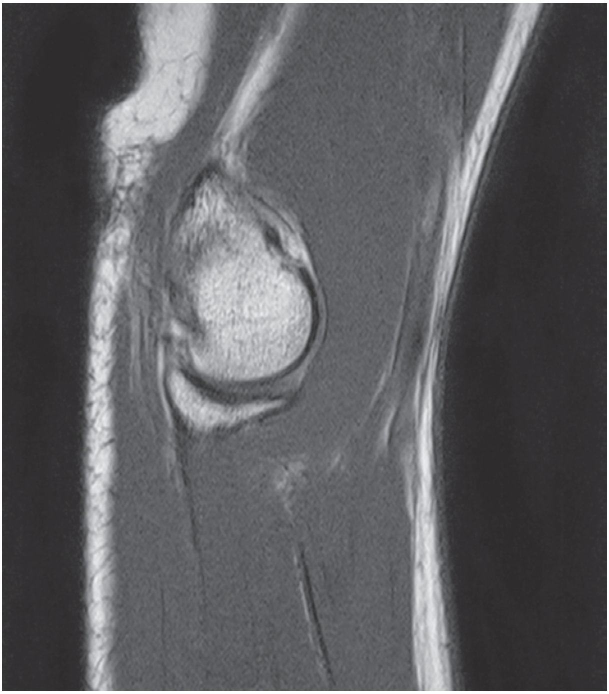





Proximal
Ulnar
Medial
Radial
Lateral
Distal



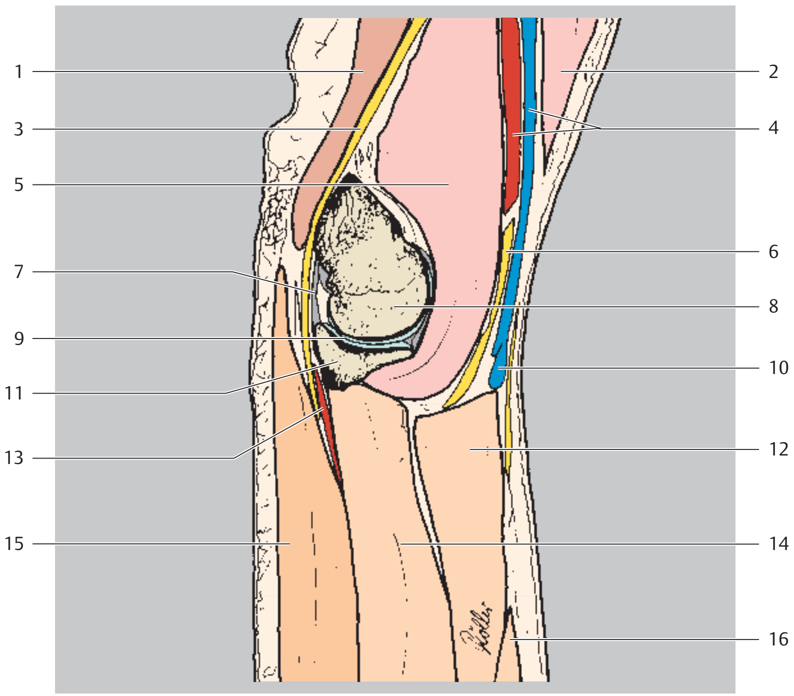
1	Triceps brachii muscle	12	Annular ligament
2	Brachioradialis muscle	13	Ulna (coronoid process)
3	Humerus (shaft)	14	Radial nerve (deep branch)
4	Brachialis muscle	15	Brachialis muscle (tendon attachment)
5	Olecranon fossa (posterior fat body)	16	Radius (head)
6	Extensor carpi radialis longus muscle	17	Ulnar nerve
7	Medial epicondyle	18	Common extensor tendons
8	Olecranon	19	Flexor carpi ulnaris muscle
9	Common flexor tendons (attachment)	20	Supinator muscle
10	Lateral epicondyle	21	Flexor digitorum superficialis muscle
11	Trochlea of humerus	22	Common interosseous artery and vein
		23	Flexor digitorum profundus muscle
		24	Extensor digitorum muscle



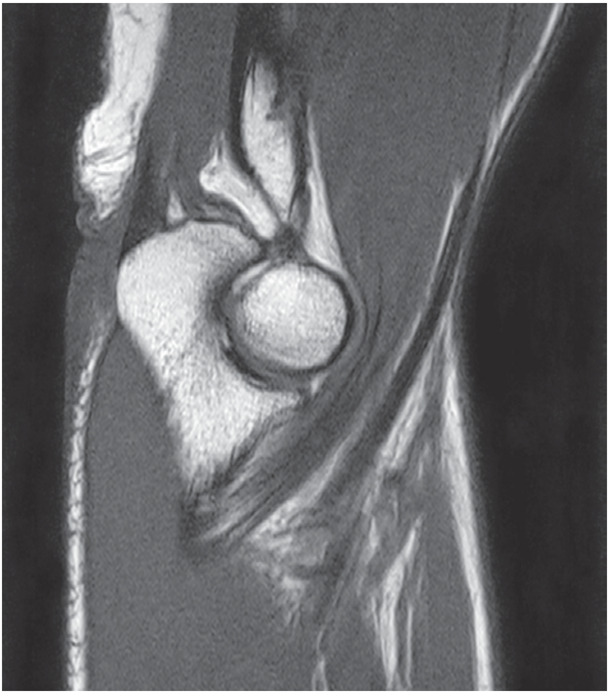
Proximal

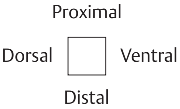
Dorsal ☐ Ventral

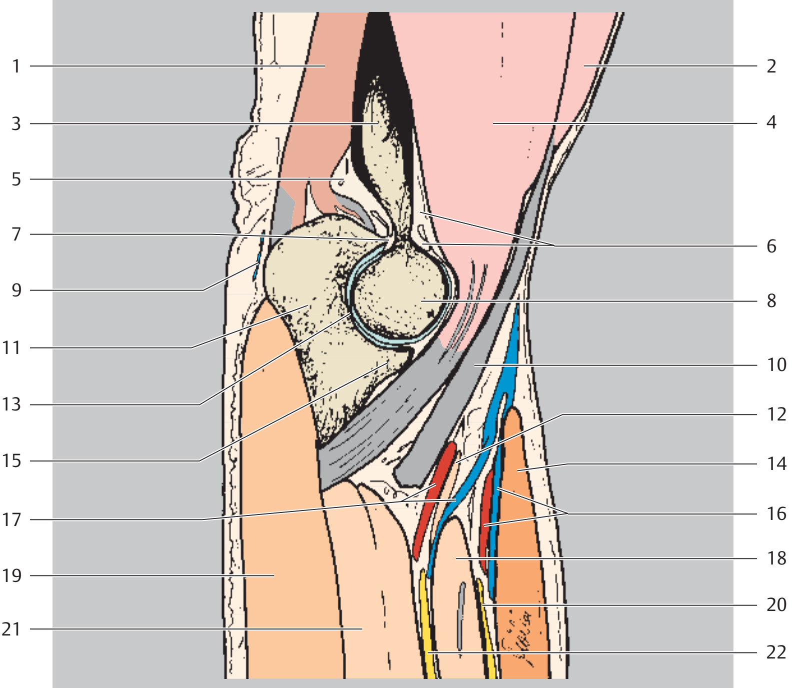
Distal



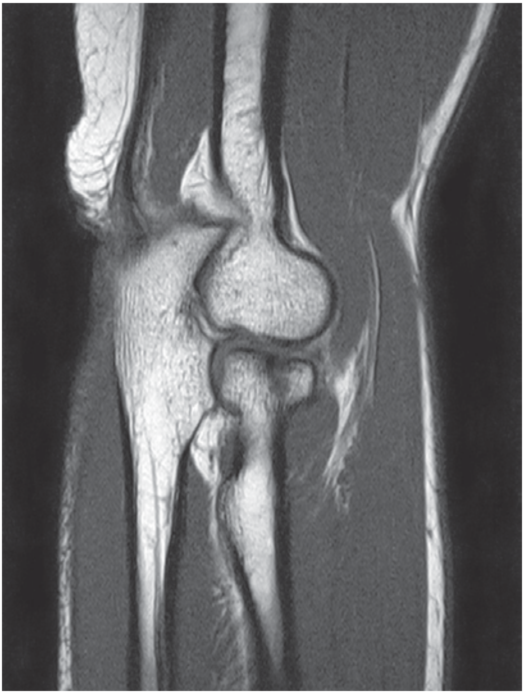
1 Triceps brachii muscle
2 Biceps brachii muscle
3 Ulnar nerve
4 Brachial artery and nerve
5 Brachialis muscle
6 Median nerve
7 Collateral ulnar ligament, posterior part (+ posterior capsule of the elbow joint)
8 Humerus (trochlea)
9 Humeroulnar joint
10 Median cubital vein
11 Olecranon
12 Pronator teres muscle
13 Ulnar recurrent artery
14 Flexor digitorum superficialis muscle
15 Flexor digitorum profundus muscle
16 Flexor carpi radialis muscle

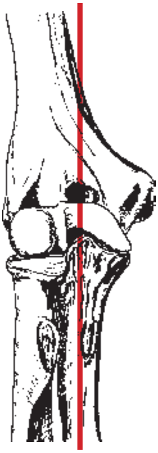



Proximal
Dorsal
Ventral
Distal



1 Triceps brachii muscle
2 Biceps brachii muscle
3 Humerus
4 Brachialis muscle
5 Posterior fat body of elbow
6 Anterior fat body and coronoid fossa
7 Olecranon fossa
8 Humerus (trochlea)
9 Olecranon bursa
10 Biceps muscle (tendon)
11 Olecranon
12 Pronator teres muscle (ulnar head)
13 Trochlear notch
14 Brachioradialis muscle
15 Coronoid process
16 Radial artery and vein
17 Ulnar artery and vein
18 Pronator teres muscle
19 Flexor digitorum profundus muscle
20 Radial nerve
21 Flexor digitorum superficialis muscle
22 Median nerve

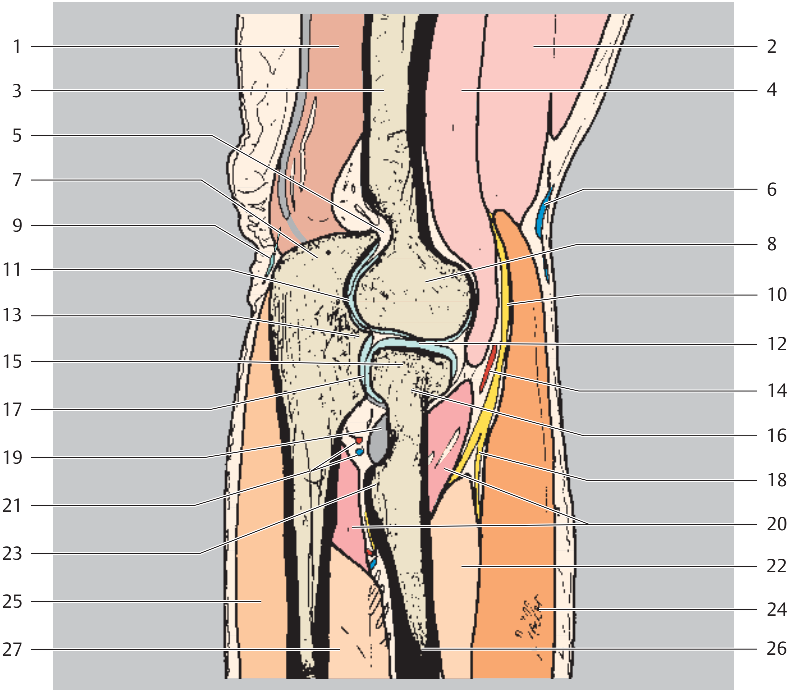




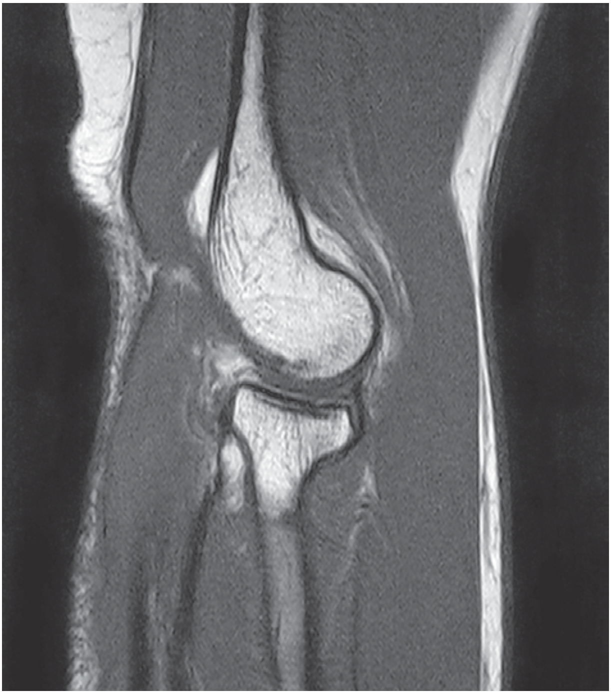
Proximal

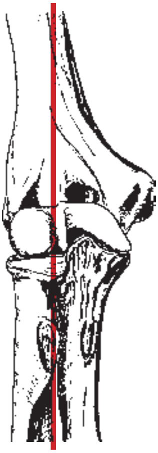
Dorsal ☐ Ventral

Distal



1 Triceps brachii muscle
2 Biceps brachii muscle
3 Humerus (shaft)
4 Brachialis muscle
5 Olecranon fossa
6 Cephalic vein
7 Olecranon
8 Humerus (capitulum)
9 Olecranon bursa
10 Radial nerve
11 Trochlear notch
12 Humeroradial joint
13 Coronoid process
14 Profunda brachii artery
15 Radius (head)
16 Radius (neck)
17 Proximal radioulnar joint
18 Radial nerve (superficial branch)
19 Biceps muscle (tendon attachment)
20 Supinator muscle
21 Interosseous artery and vein
22 Flexor digitorum superficialis muscle
23 Radial tuberosity
24 Brachioradialis muscle
25 Flexor digitorum profundus muscle
26 Radius (shaft)
27 Pronator teres muscle (ulnar head)

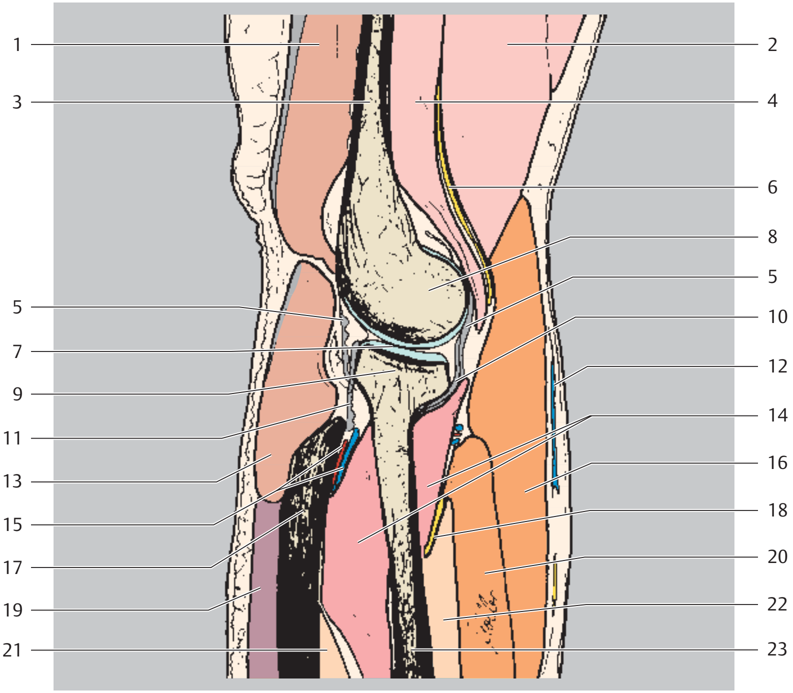




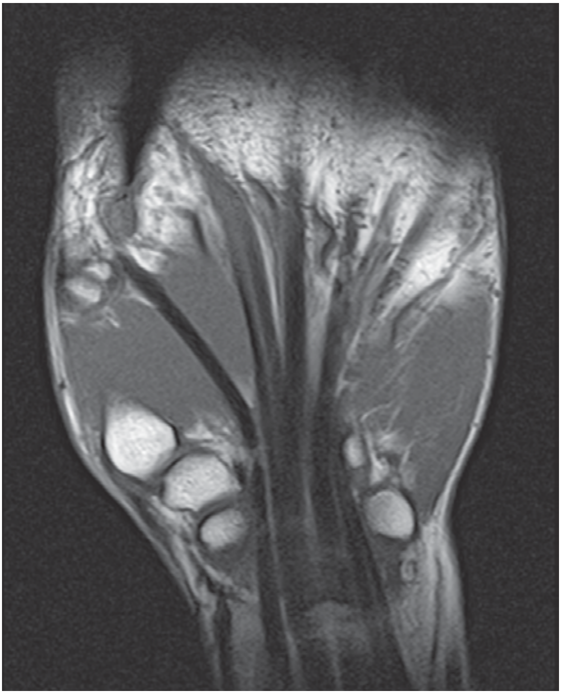
Proximal

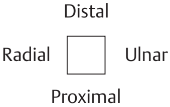
Dorsal ☐ Ventral

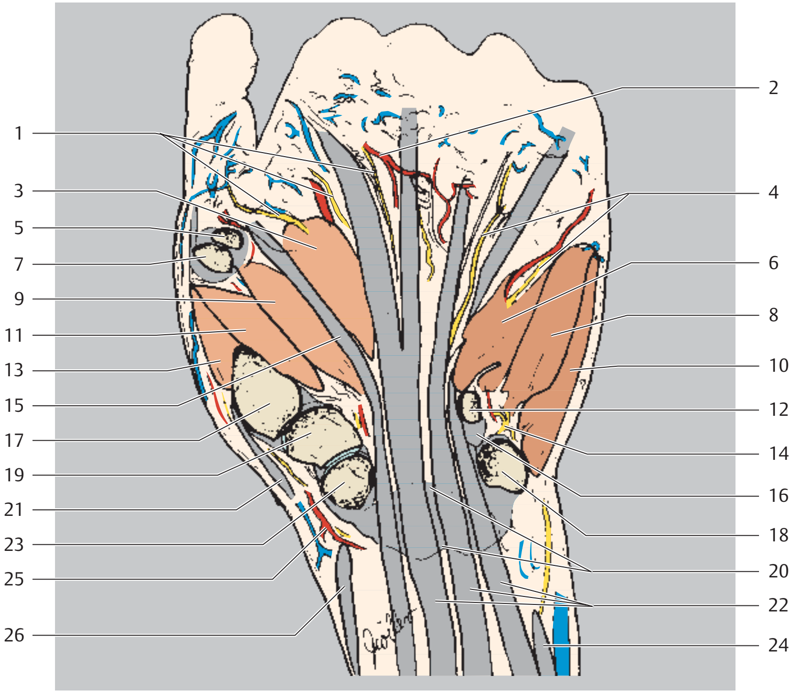
Distal



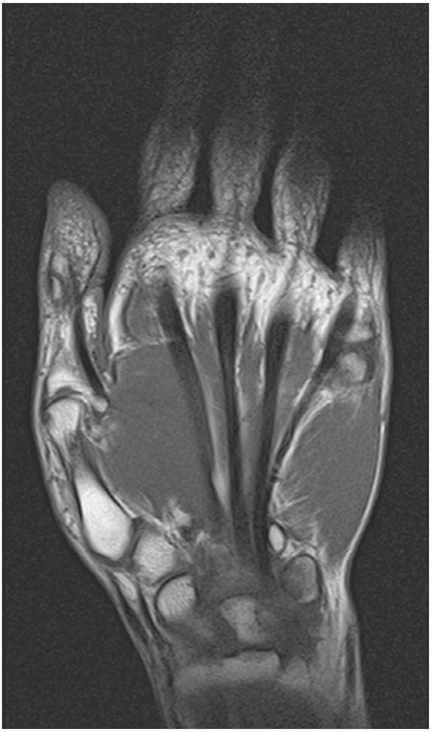
1 Triceps brachii muscle
2 Biceps brachii muscle
3 Humerus (shaft)
4 Brachialis muscle
5 Joint capsule
6 Radial nerve
7 Humeroradial joint
8 Humerus (capitulum)
9 Radius (head)
10 Anular ligament of radius
11 Radial collateral ligament
12 Cephalic vein
13 Anconeus muscle
14 Supinator muscle
15 Interosseous artery and vein
16 Brachioradialis muscle
17 Ulna (shaft)
18 Radial nerve (deep branch)
19 Extensor carpi ulnaris muscle
20 Extensor carpi radialis longus muscle
21 Pronator teres muscle (ulnar head)
22 Flexor digitorum superficialis muscle (radial head)
23 Radius (shaft)

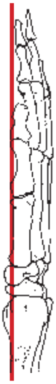



Distal
Radial
Ulnar
Proximal



1 Proper palmar digital nerves (of median nerve)
2 Proper palmar digital arteries
3 Adductor pollicis muscle (transverse head)
4 Proper palmar digital nerves (of ulnar nerve)
5 Proximal phalanx I (base)
6 Opponens digiti minimi muscle
7 Metacarpal I (head)
8 Flexor digiti minimi muscle
9 Flexor pollicis brevis muscle (deep head)
10 Abductor digiti minimi muscle
11 Abductor pollicis muscle
12 Hamate (hook)
13 Opponens pollicis muscle
14 Ulnar nerve (deep branch)
15 Flexor pollicis longus muscle (tendon)
16 Pisohamate ligament
17 Metacarpal I (base)
18 Pisiform
19 Trapezium
20 Palmar radiocarpal ligament
21 Abductor pollicis longus muscle (tendon attachment)
22 Flexor digitorum profundus muscle (tendons)
23 Scaphoid
24 Flexor carpi ulnaris muscle
25 Radial artery (superficial palmar branch)
26 Brachioradialis muscle (tendon)



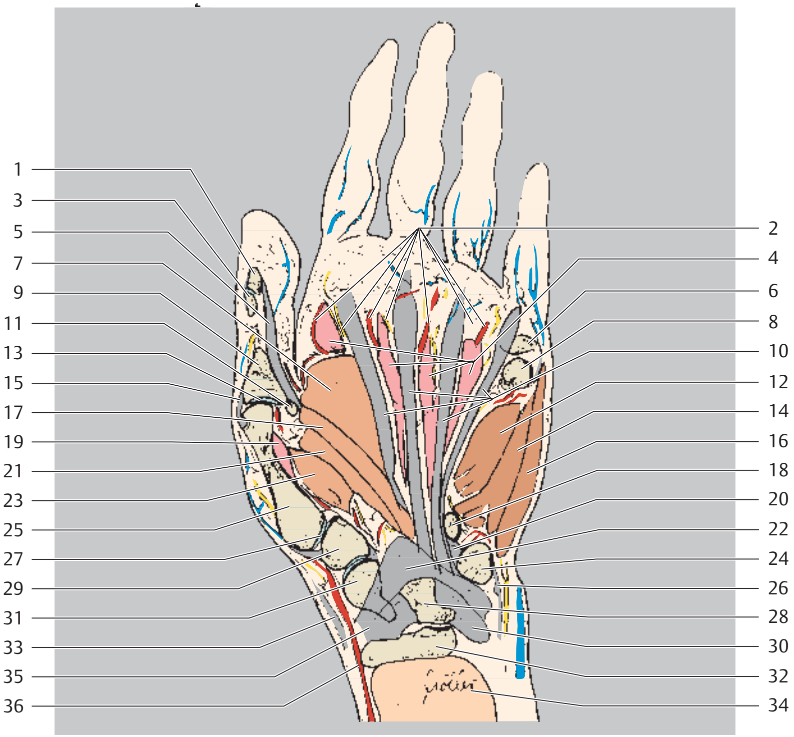


Distal

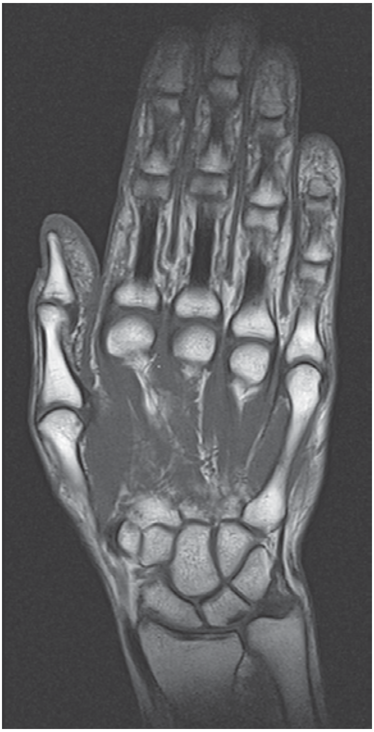
Radial Ulnar

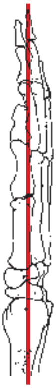
Proximal

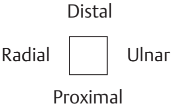
1 Distal phalanx I
2 Proper palmar digital arteries and nerves
3 Proximal phalanx I (head)
4 Lumbrical muscles



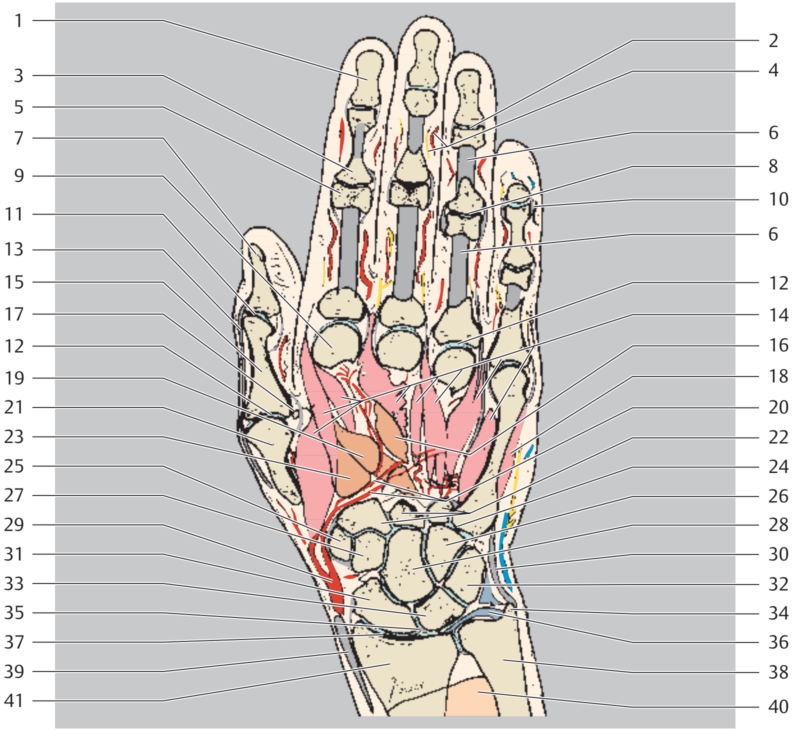
5 Flexor pollicis longus muscle (tendon)
6 Proximal phalanx V (base)
7 Adductor pollicis muscle (transverse head)
8 Metacarpal V (head)
9 Proximal phalanx I (base)
10 Flexor digitorum profundus muscle (tendons)
11 Sesamoid bone
12 Opponens digiti minimi muscle
13 Metacarpophalangeal joint I
14 Flexor digiti minimi muscle
15 Joint capsule
16 Abductor digiti minimi muscle
17 Adductor pollicis muscle (oblique head)
18 Hamate (hook)
19 Interosseus muscle
20 Pisohamate ligament
21 Flexor pollicis brevis muscle
22 Radiate carpal ligament
23 Opponens pollicis muscle
24 Pisiform
25 Metacarpal I
26 Ulnar collateral ligament of wrist joint
27 Carpometacarpal joint I
28 Lunate
29 Trapezium
30 Palmar ulnocarpal ligament
31 Scaphoid
32 Radius
33 Extensor pollicis brevis muscle
34 Pronator quadratus muscle
35 Palmar radiocarpal ligament
36 Radial artery



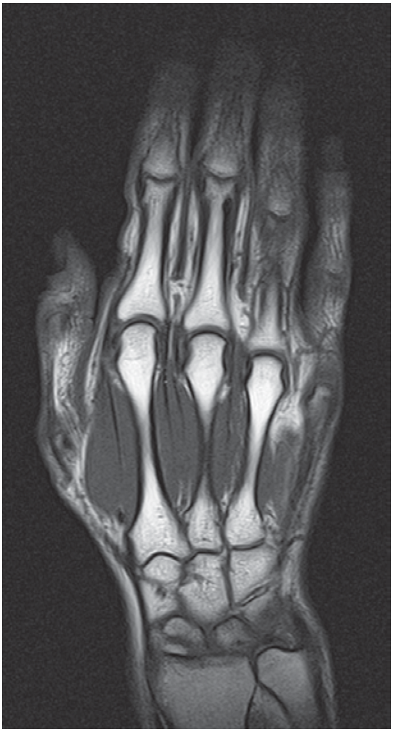


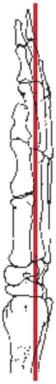

Distal
Radial
Ulnar
Proximal

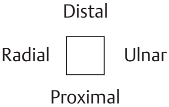
1 Distal phalanx 2
2 Distal interphalangeal joint
3 Middle phalanx (base)
4 Proper palmar digital nerves and arteries
5 Proximal phalanx (head)
6 Flexor digitorum muscle (tendon)
7 Distal phalanx 1
8 Proximal interphalangeal joint
9 Metacarpal II (head)



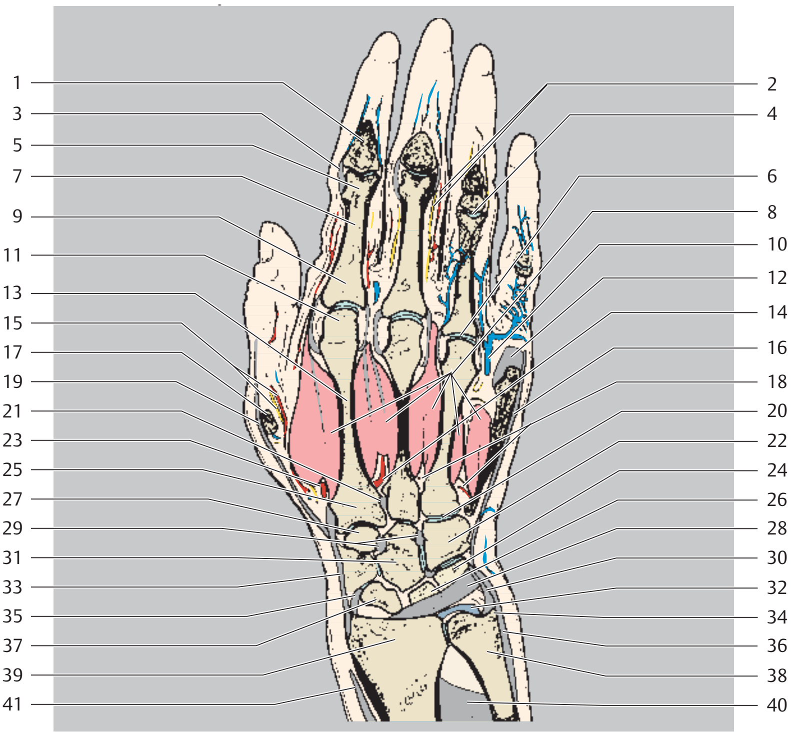
10 Collateral ligament
11 Interphalangeal joint I
12 Metacarpophalangeal joint
13 Extensor pollicis longus muscle (tendon)
14 Interosseous muscles
15 Proximal phalanx I
16 Adductor pollicis muscle (transverse head)
17 Sesamoid bone
18 Abductor digiti minimi muscle
19 Adductor pollicis muscle (oblique head)
20 Deep palmar arch and palmar carpal arch
21 Metacarpal I (head)
22 Metacarpals (bases)
23 Flexor pollicis brevis muscle
24 Carpometacarpal joint
25 Trapezium
26 Hamate
27 Trapezoid
28 Capitate
29 Radial artery
30 Ulnar collateral ligament of wrist joint
31 Scaphoid
32 Triquetrum
33 Lunate
34 Ulnar styloid process
35 Interosseous ligament (scapholunate)
36 Triangular fibrocartilage complex (TFC)
37 Wrist joint
38 Ulna
39 Brachioradialis muscle (tendon)
40 Pronator quadratus muscle
41 Radius



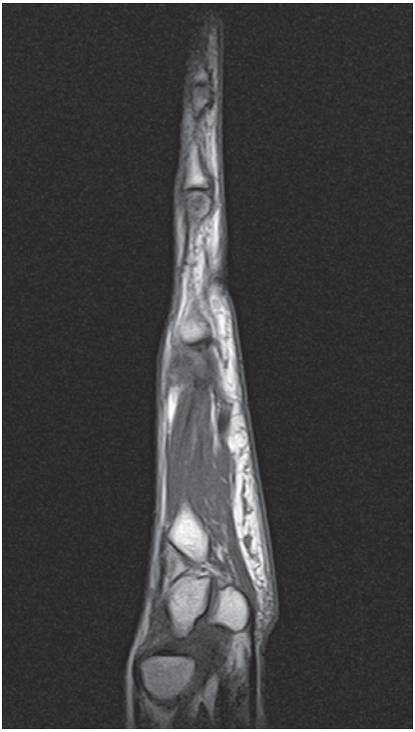


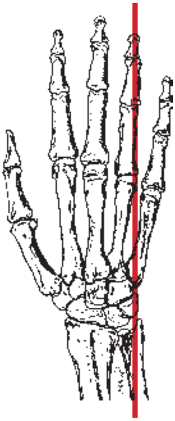


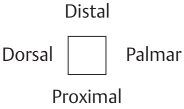
1 Middle phalanx (base)
2 Dorsal digital arteries and nerves
3 Collateral ligament
4 Proximal interphalangeal joint
5 Proximal phalanx (head)
6 Metacarpophalangeal joint
7 Proximal phalanx (shaft)
8 Interosseous muscles
9 Proximal phalanx (base)
10 Dorsal metacarpal vein
11 Metacarpal (head)



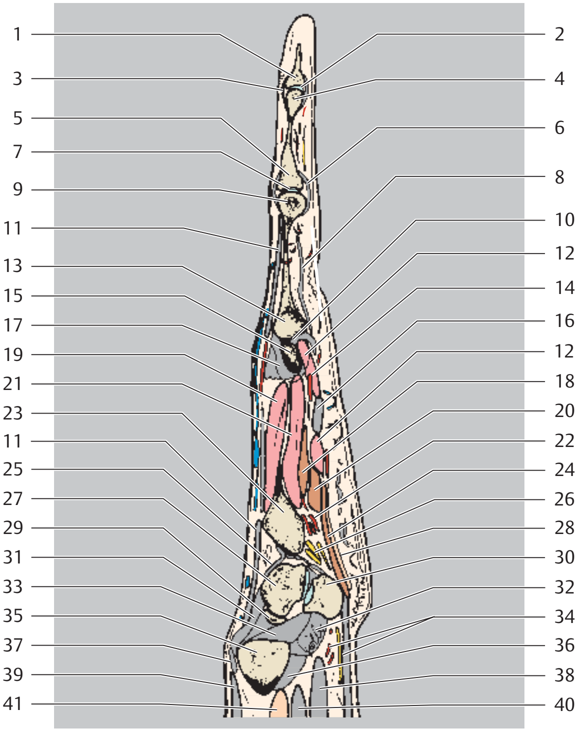
12 Joint capsule
13 Metacarpal (shaft)
14 Dorsal metacarpal arteries
15 Dorsal metacarpal artery and nerve of thumb
16 Extensor digitorum muscle (tendon)
17 Metacarpal I (head)
18 Dorsal metacarpal arteries (perforating branches)
19 Extensor pollicis longus muscle (tendon)
20 Carpometacarpal joint
21 Interosseous metacarpal ligaments
22 Hamate
23 Radial artery (dorsal carpal branch)
24 Triquetrum
25 Metacarpal II (base)
26 Lunate
27 Trapezoid
28 Dorsal radiocarpal ligament
29 Interosseous intercarpal ligament
30 Ulnar collateral ligament of wrist joint
31 Capitate
32 Ulnar articular disk
33 Extensor carpi radialis longus muscle (tendon)
34 Styloid process of ulna
35 Radial collateral ligament of wrist joint
36 Extensor carpi ulnaris muscle (tendon)
37 Scaphoid
38 Ulna
39 Radius
40 Interosseous membrane
41 Brachioradialis muscle (tendon)



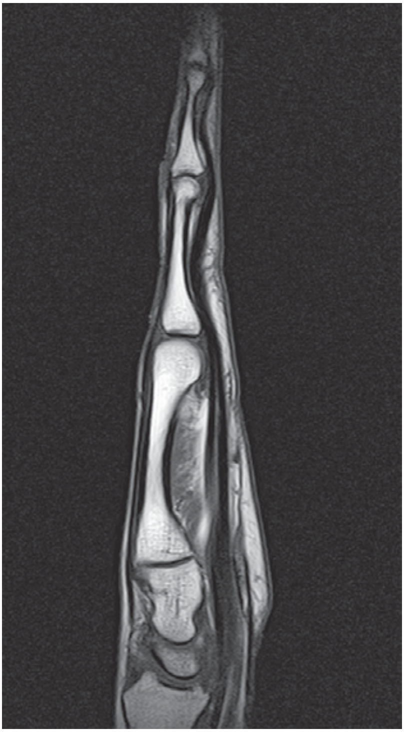


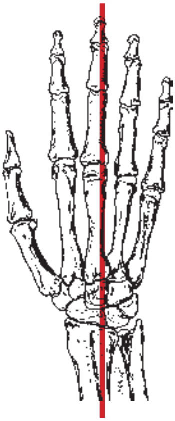


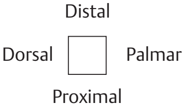
1 Distal phalanx
2 Distal interphalangeal joint
3 Joint capsule
4 Middle phalanx (head)
5 Middle phalanx (base)
6 Palmar collateral ligament
7 Proximal interphalangeal joint
8 Flexor digitorum muscle (tendon)
9 Proximal phalanx (head)
10 Metacarpophalangeal joint
11 Extensor digitorum muscle (tendon)



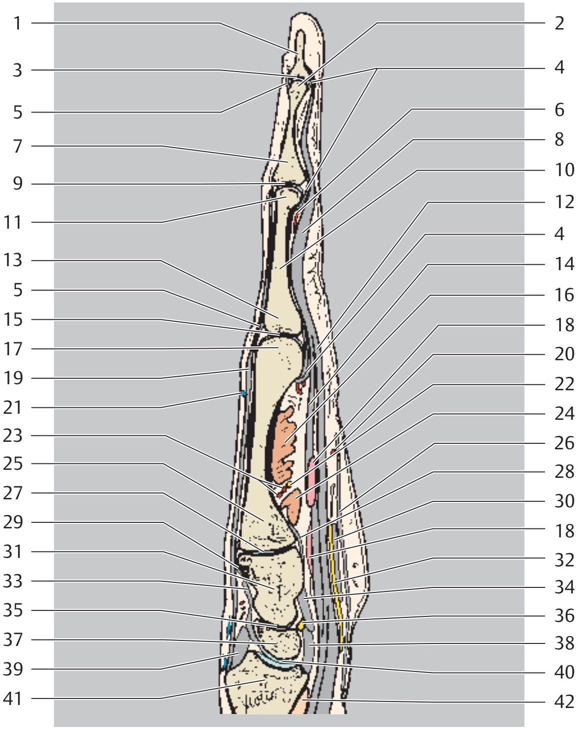
12 Lumbrical muscles
13 Proximal phalanx (base)
14 Palmar metacarpal artery
15 Metacarpal (head)
16 Flexor digiti minimi muscle (tendon)
17 Collateral ligament and attachment of interosseous muscles
18 Opponens digiti minimi muscle
19 Dorsal interosseous muscle
20 Flexor digiti minimi brevis muscle
21 Palmar interosseous muscle
22 Deep palmar arch
23 Metacarpal V (base)
24 Abductor digiti minimi muscle
25 Dorsal carpometacarpal ligament
26 Ulnar nerve (deep branch)
27 Triquetrum
28 Palmaris brevis muscle
29 Lunate
30 Pisiform
31 Dorsal radiocarpal ligament
32 Palmar ulnocarpal ligament
33 Triangular fibrocartilage complex (+ disk equivalent)
34 Ulnar artery and nerve
35 Ulna
36 Palmar radioulnar ligament
37 Dorsal radioulnar ligament
38 Flexor digitorum profundus muscle (tendon)
39 Extensor carpi ulnaris muscle
40 Extensor digitorum superficialis muscle (tendon)
41 Pronator quadratus muscle



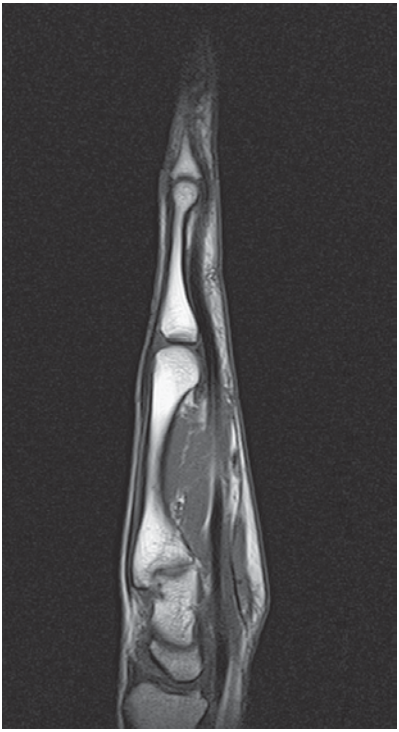


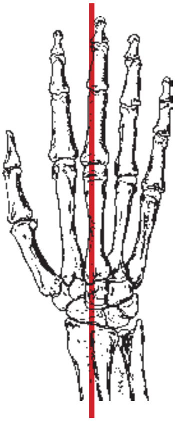

Distal
Dorsal
Palmar
Proximal

1 Distal phalanx
2 Middle phalanx (head)
3 Distal interphalangeal joint
4 Palmar ligament
5 Joint capsule
6 Palmar digital artery
7 Middle phalanx (base)
8 Flexor digitorum muscle (tendon)
9 Proximal interphalangeal joint



10 Proximal phalanx (shaft)
11 Proximal phalanx (head)
12 Flexor digitorum superficialis muscle (tendon)
13 Proximal phalanx (base)
14 Flexor digitorum profundus muscle (tendon)
15 Metacarpophalangeal joint
16 Adductor pollicis muscle (transverse head)
17 Metacarpal (head)
18 Lumbrical muscles
19 Extensor digitorum muscle (tendon)
20 Superficial palmar arch
21 Palmar digital vein
22 Ulnar nerve (deep branch)
23 Deep palmar arch
24 Adductor pollicis muscle (deep head)
25 Metacarpal (base)
26 Palmar aponeurosis
27 Carpometacarpal joint
28 Palmar carpometacarpal ligament
29 Dorsal carpometacarpal ligament
30 Flexor retinaculum
31 Capitate
32 Median nerve
33 Dorsal intercarpal ligament
34 Palmar intercarpal ligament
35 Intercarpal (scaphocapitate) joint
36 Lunate
37 Scaphoid
38 Palmar radiocarpal ligament
39 Dorsal radiocarpal ligament
40 Wrist joint
41 Radius
42 Pronator quadratus muscle



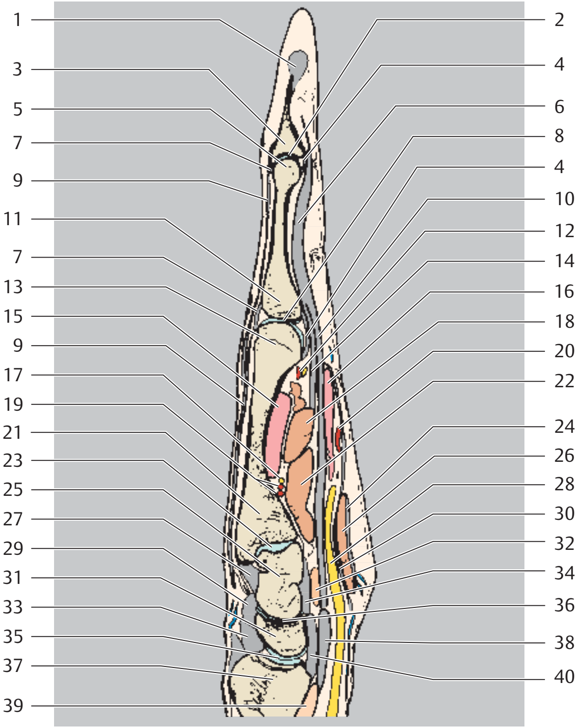


Distal

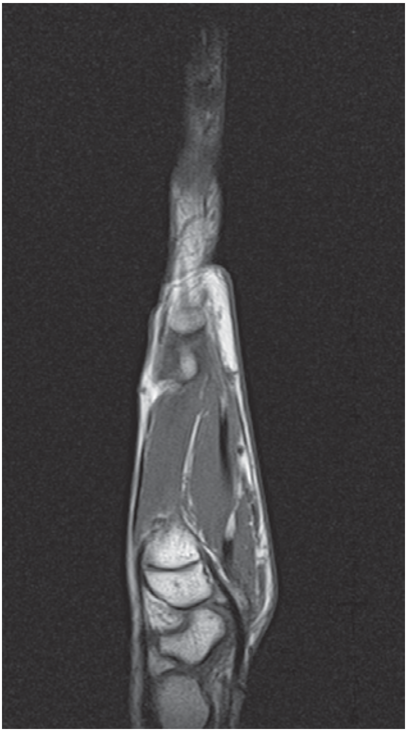
Dorsal ☐ Palmar

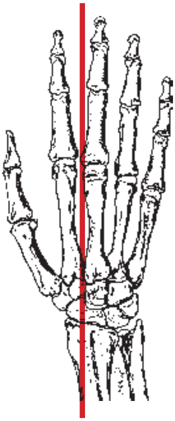
Proximal

1 Collateral ligament (distal interphalangeal joint)
2 Proximal interphalangeal joint
3 Middle phalanx (base)
4 Palmar ligament
5 Proximal phalanx (head)
6 Flexor digitorum muscle (tendon)



7	Joint capsule
8	Metacarpophalangeal joint
9	Extensor digitorum muscle (tendon)
10	Flexor digitorum superficialis muscle (tendon)
11	Proximal phalanx (base)
12	Common palmar arteries
13	Metacarpal (head)
14	Flexor digitorum profundus muscle (tendon)
15	Interosseous muscle
16	Lumbrical muscles
17	Ulnar nerve (deep branch)
18	Adductor pollicis muscle (transverse head)
19	Deep palmar arch
20	Superficial palmar arch
21	Metacarpal (base)
22	Adductor pollicis muscle (oblique head)
23	Carpometacarpal joint
24	Palmar aponeurosis
25	Capitate
26	Abductor pollicis brevis muscle
27	Dorsal carpometacarpal ligament
28	Median nerve
29	Dorsal intercarpal ligament
30	Flexor retinaculum
31	Scaphoid
32	Flexor pollicis muscle (deep head)
33	Dorsal radiocarpal ligament
34	Palmar intercarpal ligament
35	Radiocarpal joint
36	Intercarpal (scaphocapitate) joint
37	Radius
38	Flexor pollicis longus muscle
39	Pronator quadratus muscle
40	Palmar radiocarpal ligament



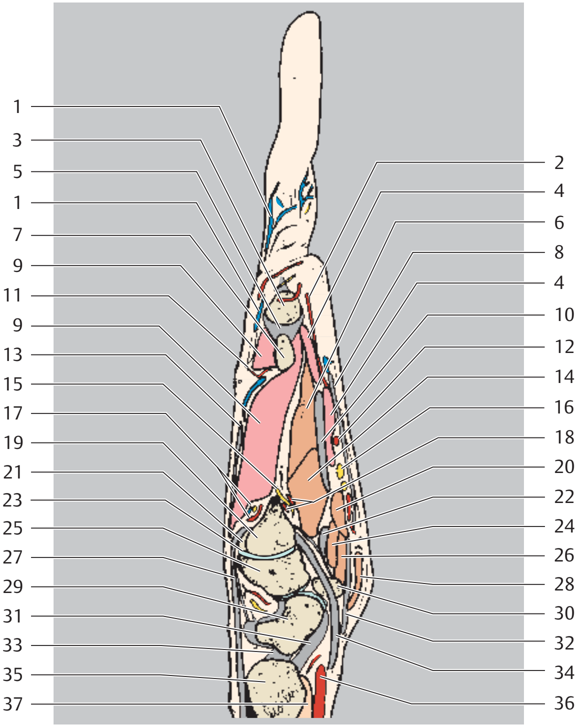


Distal

Dorsal ☐ Palmar

Proximal

1 Dorsal digital vein
2 Common palmar digital artery
3 Proximal phalanx (base)
4 Lumbrical muscles
5 Collateral ligament (metacarpophalangeal joint)
6 Adductor pollicis muscle (transverse head)
7 Metacarpal (head)
8 Palmar aponeurosis



9 Interosseus muscle
10 Flexor digitorum muscle (tendon)
11 Dorsal digital artery
12 Superficial palmar arch
13 Extensor digitorum muscle (tendon)
14 Adductor pollicis muscle (oblique head)
15 Ulnar nerve (deep branch)
16 Common palmar digital nerve (of median nerve)
17 Dorsal digital arteries and nerves
18 Deep palmar arch
19 Metacarpal II (base)
20 Flexor pollicis brevis muscle (superficial head)
21 Metacarpal III (base)
22 Flexor pollicis longus muscle (tendon)
23 Carpometacarpal joint
24 Flexor pollicis brevis muscle (deep head)
25 Trapezoid
26 Opponens pollicis muscle
27 Extensor carpi radialis brevis muscle
28 Abductor pollicis brevis muscle
29 Scaphoid
30 Hamate (hook)
31 Palmar radiocarpal ligament
32 Flexor retinaculum
33 Radial collateral ligament of wrist joint
34 Flexor carpi radialis muscle
35 Radius
36 Radial artery
37 Pronator quadratus muscle

🟥 Arteries
🟨 Nerves
🟦 Veins
⬜ Bones
⬜ Fatty tissue
🟩 Cartilage
⬜ Tendon
🟦 Meniscus, labrum etc.
🟩 Fluid
🟫 Intestine

Hip and Thigh Muscles:

🟥 Sartorius
Tensor fasciae latae
Iliacus
Iliopsoas
Psoas
Gluteus maximus, medius and minimus
Rectus abdominis
External and internal oblique muscle of abdomen
Piriformis
Gemellus muscles
Quadratus femoris
Obturator internus
Semitendinosus
Semimembranosus
Biceps femoris

🟧 **Adductors:**
Obturatorius externus
Pectineus
Adductor longus, brevis, and magnus
Gracilis

🟪 **Quadriceps:**
Rectus femoris
Vastus lateralis, medialis, and intermedius

🟧 Popliteus

Leg Muscles:

🟫 **Extensor group**
Tibialis anterior
Extensor digitorum longus
Extensor hallucis longus

🟥 **Peroneus group:**
Peroneus brevis (fibularis brevis)
Peroneus longus (fibularis longus)

🟧 **Flexor group:**
Tibialis posterior
Flexor digitorum longus
Flexor hallucis longus

🟥 **Triceps surae:**
Gastrocnemius
Soleus
Plantaris

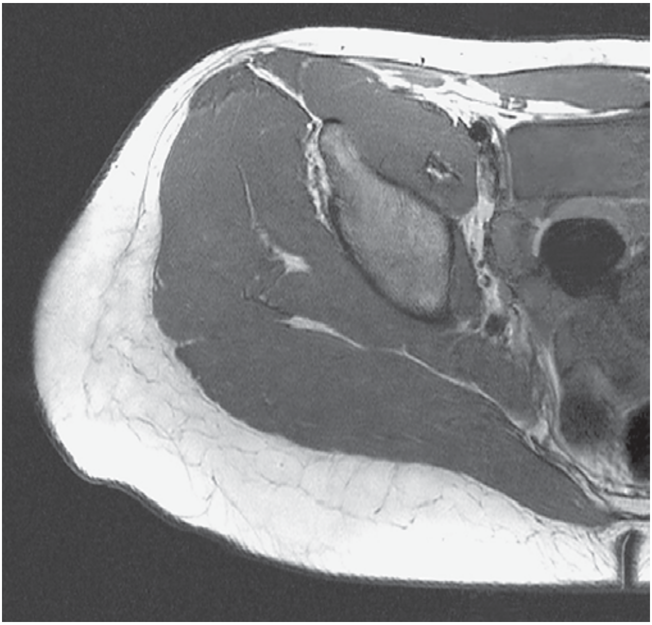
Muscles of Foot

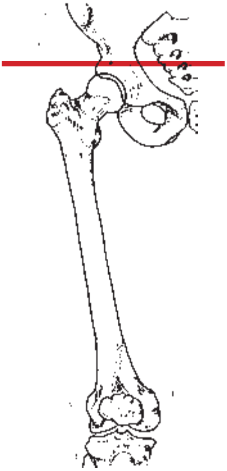
🟧 Extensor digitorum brevis
Extensor hallucis brevis

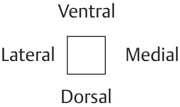
🟥 Dorsal and plantar interosseous
Flexor digitorum brevis
Quadratus plantae
Lumbricales

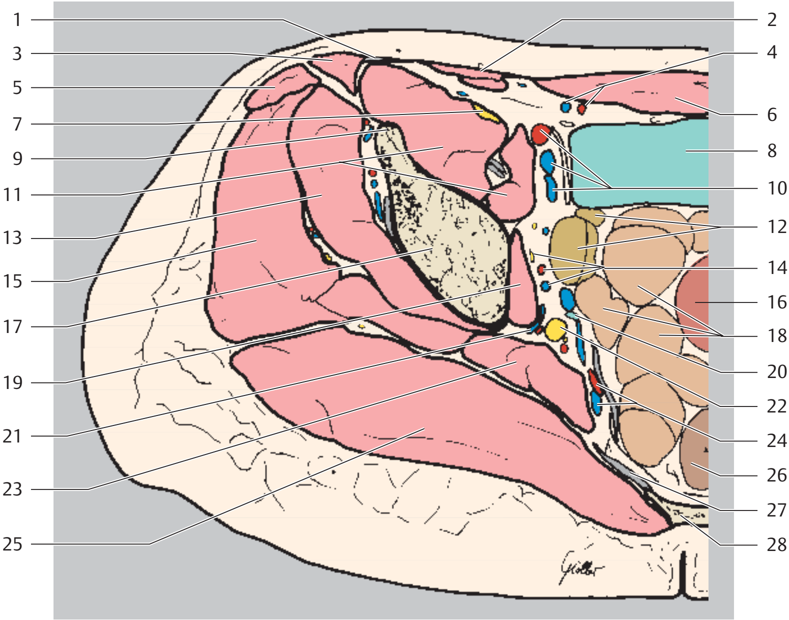
🟧 **Muscles of Big Toe:**
Flexor hallucis brevis
Abductor hallucis
Adductor hallucis

🟫 **Muscles of Little (Fifth) Toe:**
Abductor digiti minimi
Flexor digiti minimi
Opponens digiti minimi

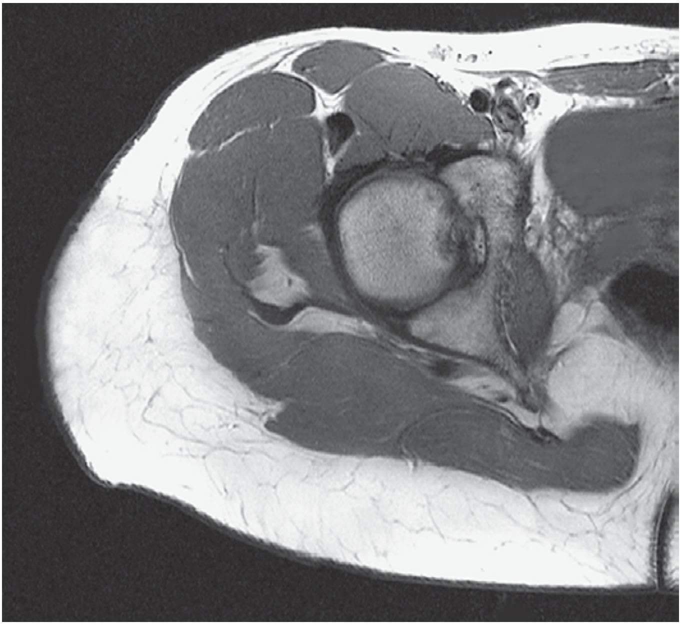


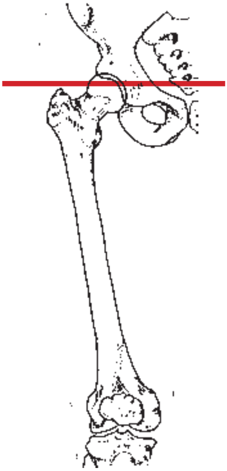


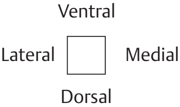

Ventral
Lateral
Medial
Dorsal

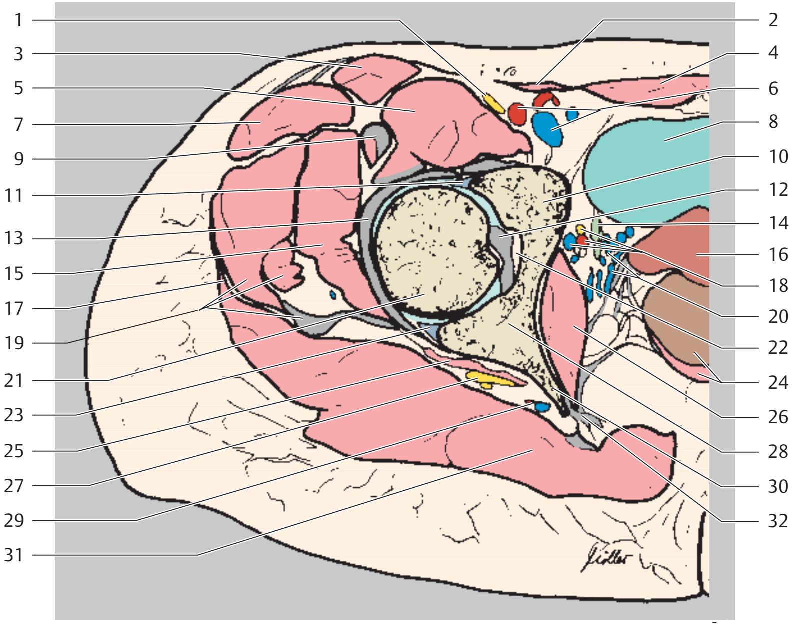


1	Inguinal ligament
2	Internal oblique abdominal muscle + transverse abdominal muscle
3	Sartorius muscle
4	Inferior epigastric artery and vein
5	Tensor fasciae latae muscle
6	Rectus abdominis muscle
7	Femoral nerve
8	Urinary bladder
9	Inferior anterior iliac spine
10	External iliac artery and veins
11	Iliopsoas muscle
12	Ovary and uterine tube
13	Gluteus minimus muscle
14	Obturator artery, vein, and nerve
15	Gluteus medius muscle
16	Uterus
17	Ilium
18	Small intestine
19	Obturator internus muscle
20	Ureter
21	Superior gluteal artery and vein
22	Lumbosacral plexus
23	Piriformis muscle
24	Internal iliac artery and vein
25	Gluteus maximus muscle
26	Rectum
27	Sacrotuberous ligament
28	Sacrum

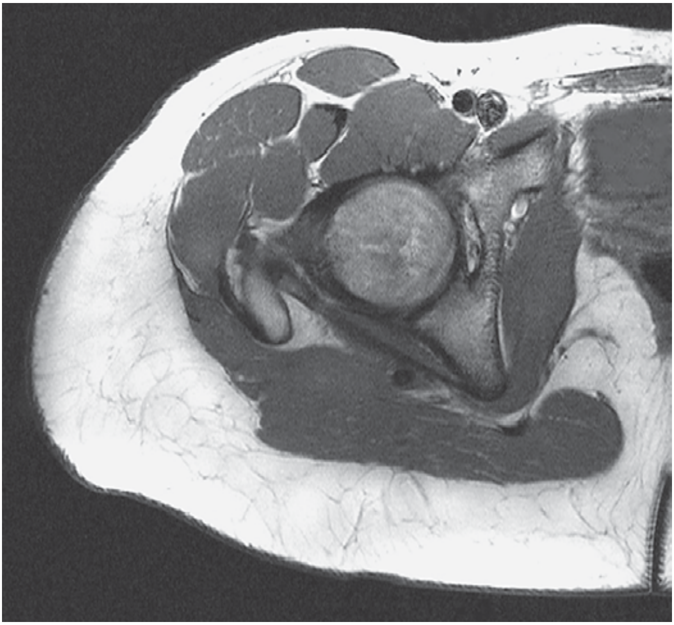


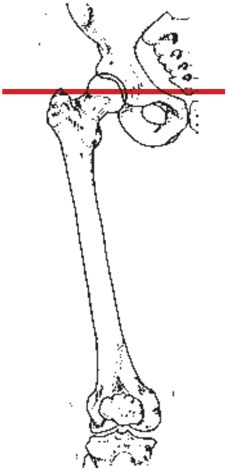


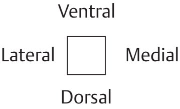

Ventral
Lateral
Medial
Dorsal

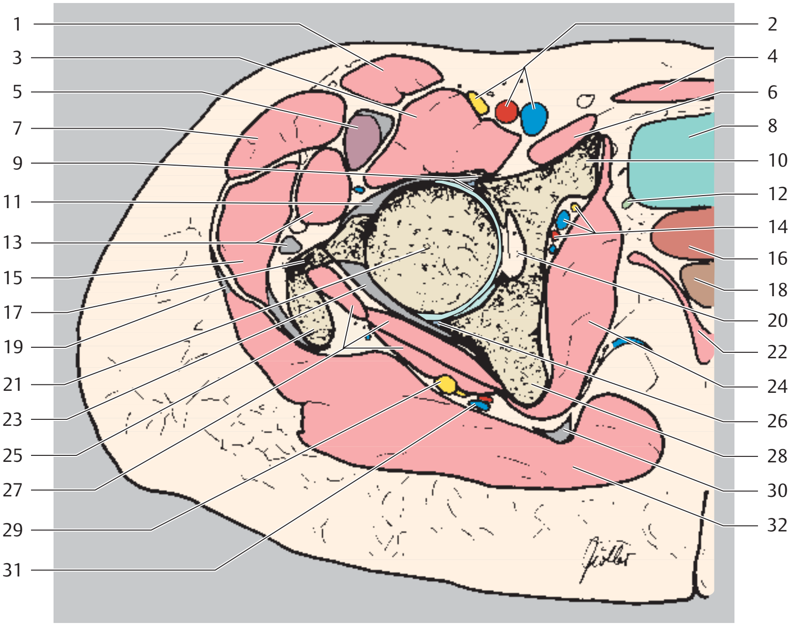


1 Femoral nerve
2 Internal oblique abdominal muscle + transverse abdominal muscle
3 Sartorius muscle
4 Rectus abdominis muscle
5 Iliopsoas muscle
6 External iliac artery and vein
7 Tensor fasciae latae muscle
8 Urinary bladder
9 Rectus femoris muscle (tendon)
10 Pubis (superior ramus)
11 Anterior glenoid labrum
12 Ligament of head of femur
13 Iliofemoral ligament
14 Ureter
15 Gluteus minimus muscle
16 Uterus
17 Head of femur
18 Obturator artery, vein, and nerve
19 Iliotibial tract
20 Uterine venous plexus
21 Gluteus medius muscle (+ tendon)
22 Acetabular fossa
23 Posterior glenoid labrum
24 Rectum and levator ani muscle
25 Piriformis muscle
26 Obturator internus muscle
27 Sciatic nerve
28 Ischium
29 Superior gluteal artery and vein
30 Ischial spine
31 Gluteus maximus muscle
32 Sacrotuberal ligament

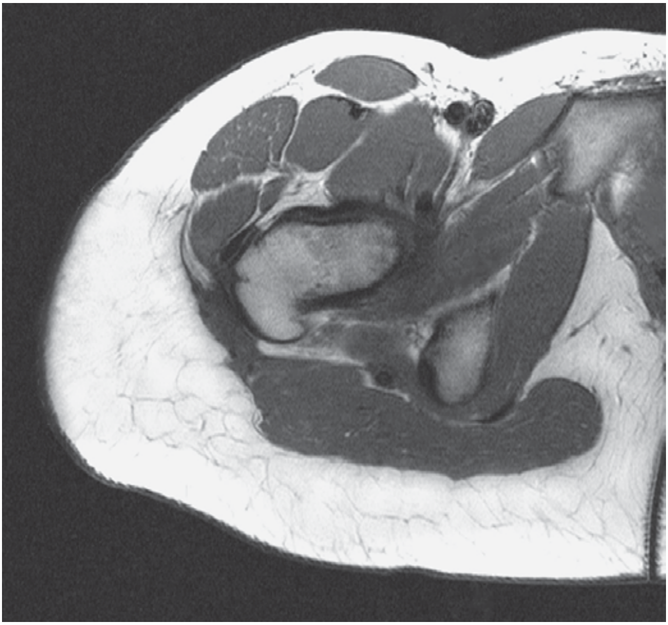


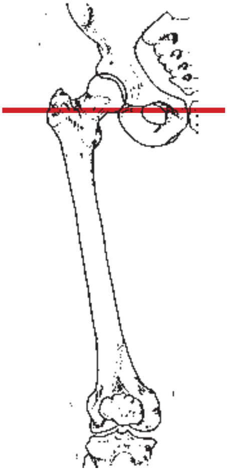



Ventral
Lateral
Medial
Dorsal



1 Sartorius muscle
2 Femoral artery, vein, and nerve
3 Iliopsoas muscle
4 Rectus abdominis muscle
5 Rectus femoris muscle (+ tendon)
6 Pectineus muscle
7 Tensor fasciae latae muscle
8 Urinary bladder
9 Anterior glenoid labrum
10 Pubis (superior ramus)
11 Iliofemoral ligament
12 Ureter
13 Gluteus minimus muscle
14 Obturator artery, vein, and nerve
15 Gluteus medius muscle (+ tendon)
16 Vagina
17 Neck of femur
18 Rectum
19 Iliotibial tract
20 Acetabular fossa
21 Head of femur
22 Levator ani muscle
23 Ischiofemoral ligament and ligamentous capsule
24 Obturator internus muscle
25 Great trochanter
26 Posterior glenoid labrum
27 Gemellus inferior muscle
28 Ischium
29 Sciatic nerve
30 Sacrotuberal ligament
31 Superior gluteal artery and nerve
32 Gluteus maximus muscle

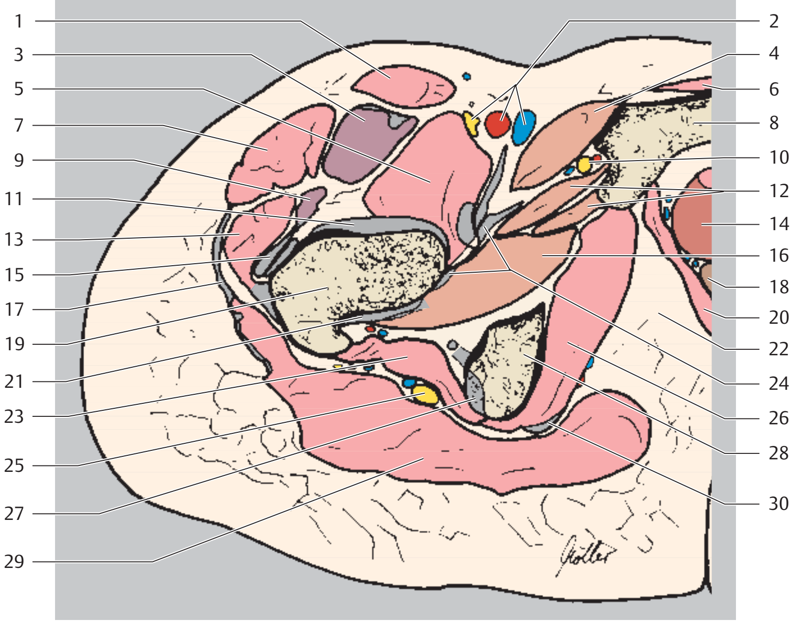




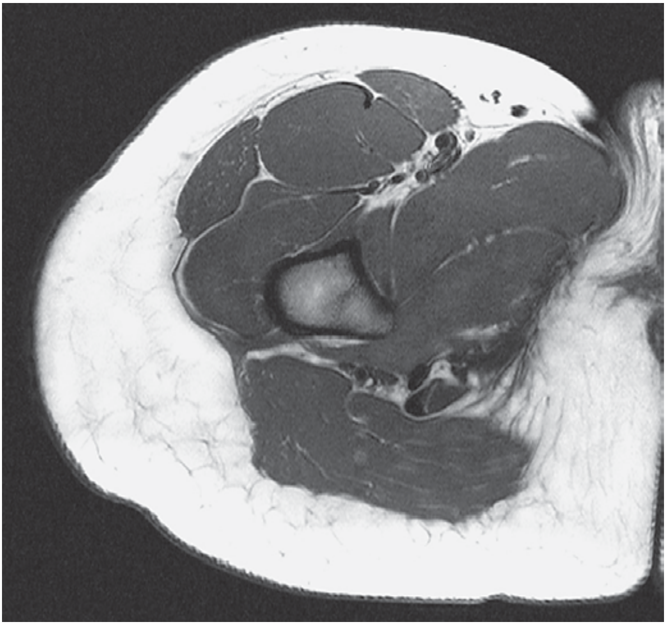
Ventral

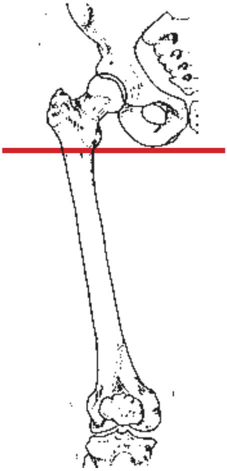
Lateral ☐ Medial

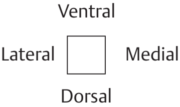
Dorsal

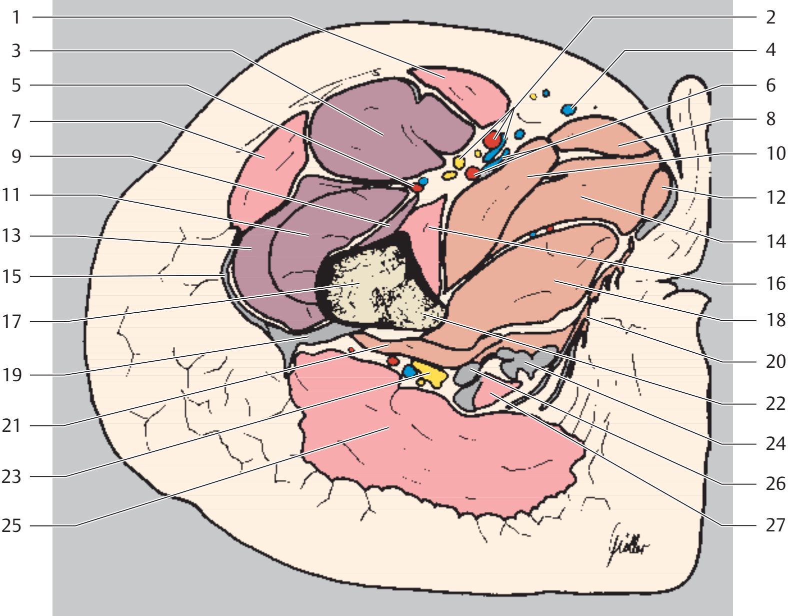


1 Sartorius muscle
2 Femoral artery, vein, and nerve
3 Rectus femoris muscle (+ tendon)
4 Pectineus muscle
5 Iliopsoas muscle
6 Rectus abdominis muscle
7 Tensor fasciae latae muscle
8 Pubis (inferior ramus)
9 Vastus lateralis muscle
10 Obturator nerve (anterior branch)
11 Iliofemoral ligament
12 Adductor brevis muscle
13 Gluteus medius muscle (+ tendon)
14 Vagina and urethra
15 Gluteus minimus muscle (+ tendon)
16 Obturator externus muscle
17 Iliotibial tract
18 Rectum
19 Femur
20 Levator ani muscle
21 Ischiofemoral ligament
22 Ischiorectal fossa
23 Quadratus femoris muscle
24 Pubofemoral ligament
25 Sciatic nerve
26 Obturator internus muscle
27 Tendon attachment of dorsal thigh muscles
28 Ischial tuberosity
29 Gluteus maximus muscle
30 Sacrotuberal ligament

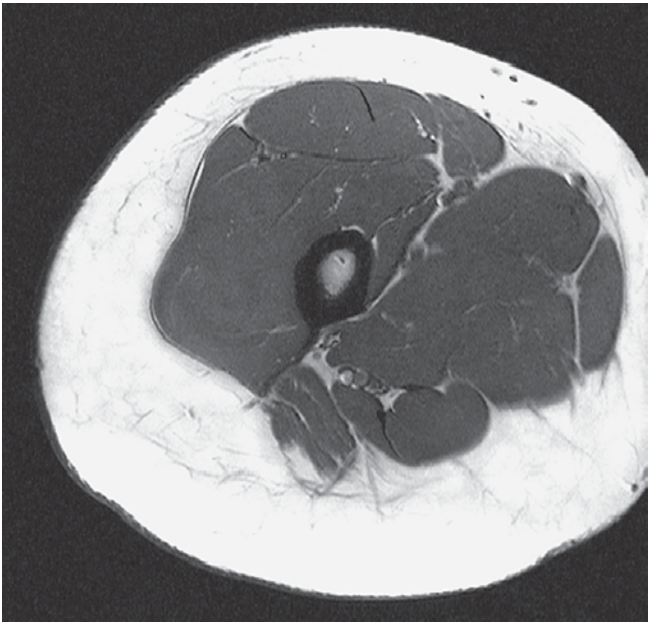


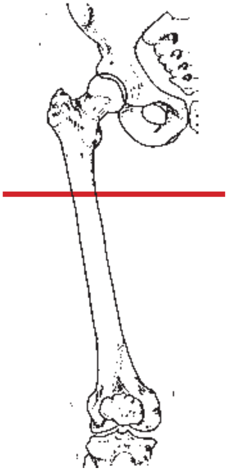



Ventral
Lateral
Medial
Dorsal



1	Sartorius muscle	14	Adductor brevis muscle
2	Femoral artery, vein, and nerve	15	Iliotibial tract
3	Rectus femoris muscle	16	Iliopsoas muscle
4	Great saphenous vein	17	Femur
5	Circumflex femoral artery and vein	18	Adductor magnus muscle
6	Deep femoral artery and vein	19	Lateral femoral intermuscular septum
7	Tensor fasciae latae muscle	20	Obturator internus muscle
8	Adductor longus muscle	21	Quadratus femoris muscle
9	Vastus medialis muscle	22	Lesser trochanter
10	Pectineus muscle	23	Sciatic nerve
11	Vastus intermedius muscle	24	Semimembranosus muscle (tendon)
12	Gracilis muscle	25	Gluteus maximus muscle
13	Vastus lateralis muscle	26	Biceps femoris muscle (tendon)
		27	Semitendinosus muscle (tendon)

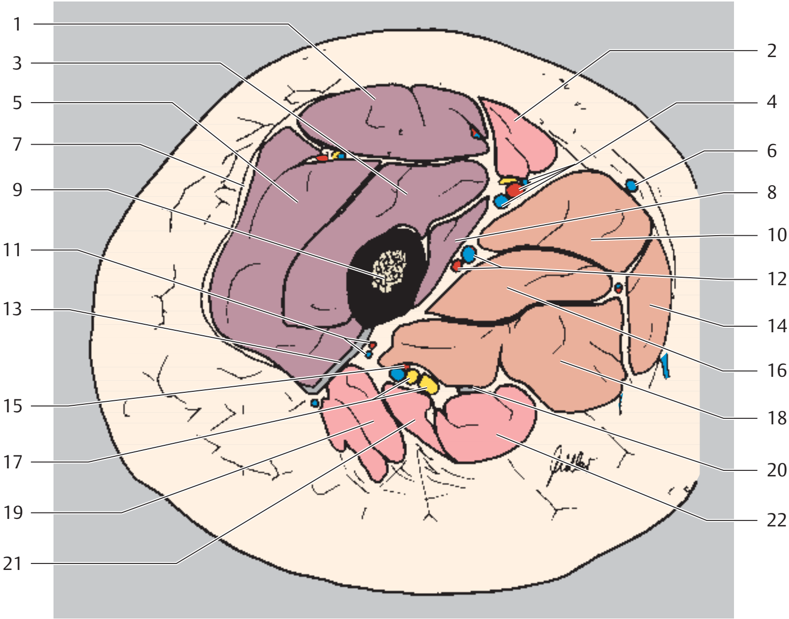




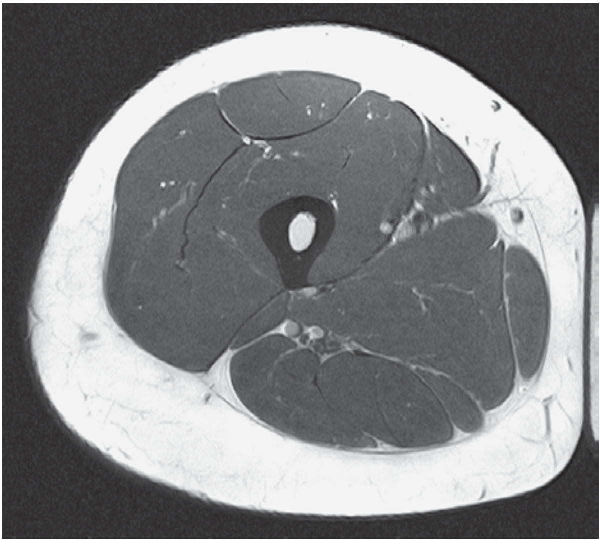
Ventral

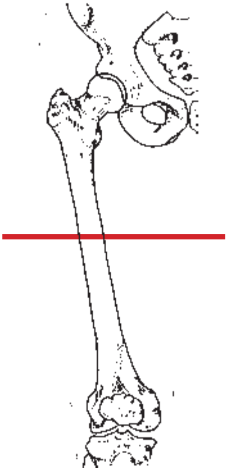
Lateral Medial

Dorsal



1	Rectus femoris muscle	12	Deep artery and vein of thigh
2	Sartorius muscle	13	Lateral femoral intermuscular septum
3	Vastus intermedius muscle	14	Gracilis muscle
4	Femoral artery, vein, and nerve	15	Artery and vein to sciatic nerve
5	Vastus lateralis muscle	16	Adductor brevis muscle
6	Great saphenous vein	17	Sciatic nerve
7	Iliotibial tract	18	Adductor magnus muscle
8	Vastus medialis muscle	19	Gluteus maximus muscle
9	Femur	20	Semimembranosus muscle (tendon)
10	Adductor longus muscle	21	Biceps femoris muscle
11	Perforating artery of deep artery of thigh	22	Semitendinosus muscle

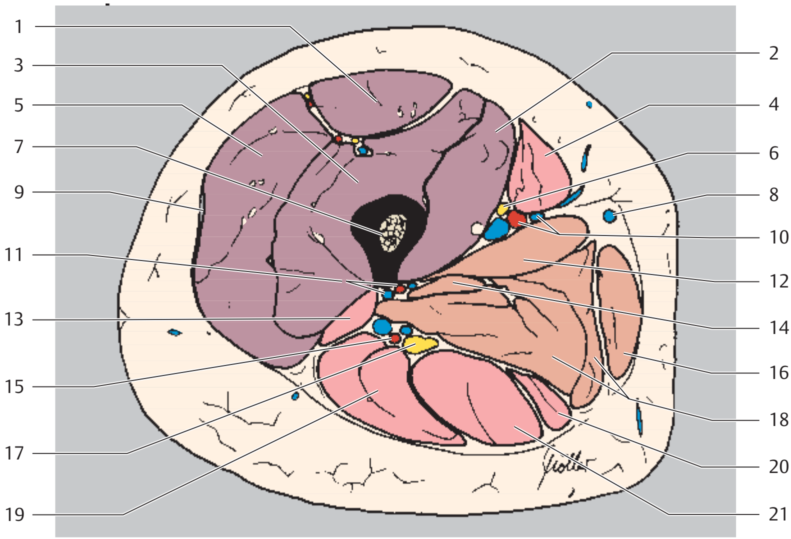




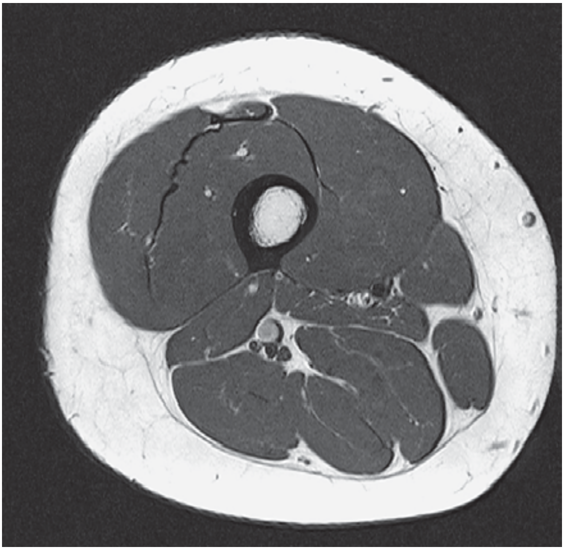
Ventral

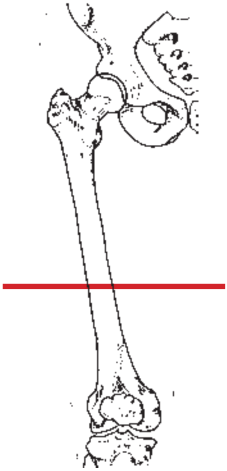
Lateral ☐ Medial

Dorsal



1	Rectus femoris muscle
2	Vastus medialis muscle
3	Vastus intermedius muscle
4	Sartorius muscle
5	Vastus lateralis muscle
6	Saphenous nerve
7	Femur
8	Great saphenous vein
9	Iliotibial tract
10	Femoral artery and vein
11	Deep artery and vein of thigh
12	Adductor longus muscle
13	Biceps femoris muscle (short head)
14	Adductor brevis muscle
15	Artery to sciatic nerve
16	Gracilis muscle
17	Sciatic nerve
18	Adductor magnus muscle
19	Biceps femoris muscle (long head)
20	Semimembranosus muscle
21	Semitendinosus muscle

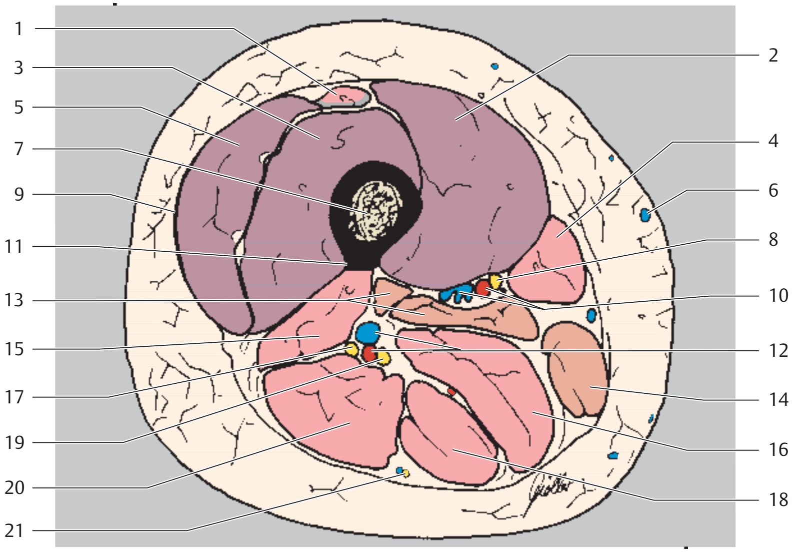




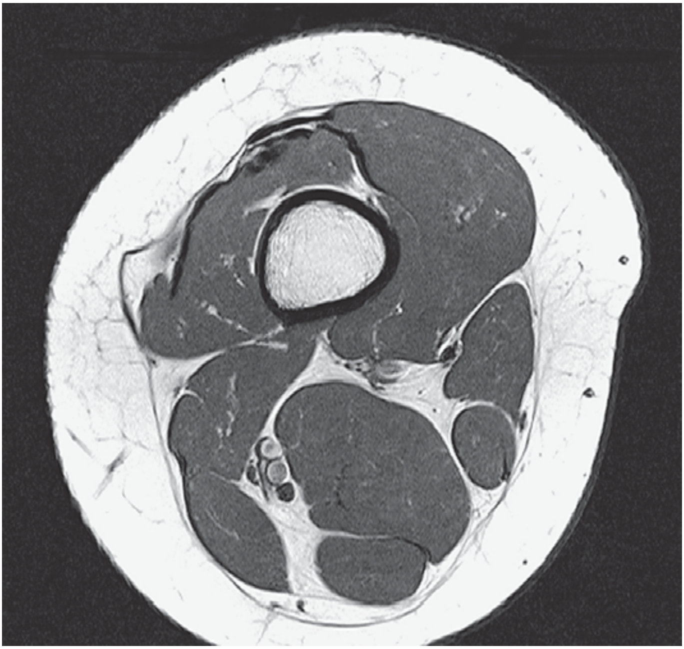
Ventral

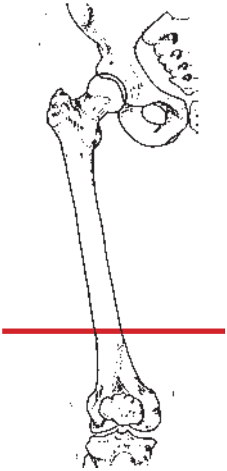
Lateral Medial

Dorsal



1 Rectus femoris muscle (+ tendon)
2 Vastus medialis muscle
3 Vastus intermedius muscle
4 Sartorius muscle
5 Vastus lateralis muscle
6 Great saphenous vein
7 Femur
8 Saphenous nerve
9 Iliotibial tract
10 Femoral artery and vein
11 Linea aspera
12 Perforating artery and vein of deep artery and vein of thigh
13 Adductor magnus muscle
14 Gracilis muscle
15 Biceps femoris muscle (short head)
16 Semimembranosus muscle
17 Common fibular (peroneal) nerve
18 Semitendinosus muscle
19 Tibial nerve
20 Biceps femoris muscle (long head)
21 Posterior femoral cutaneous nerve

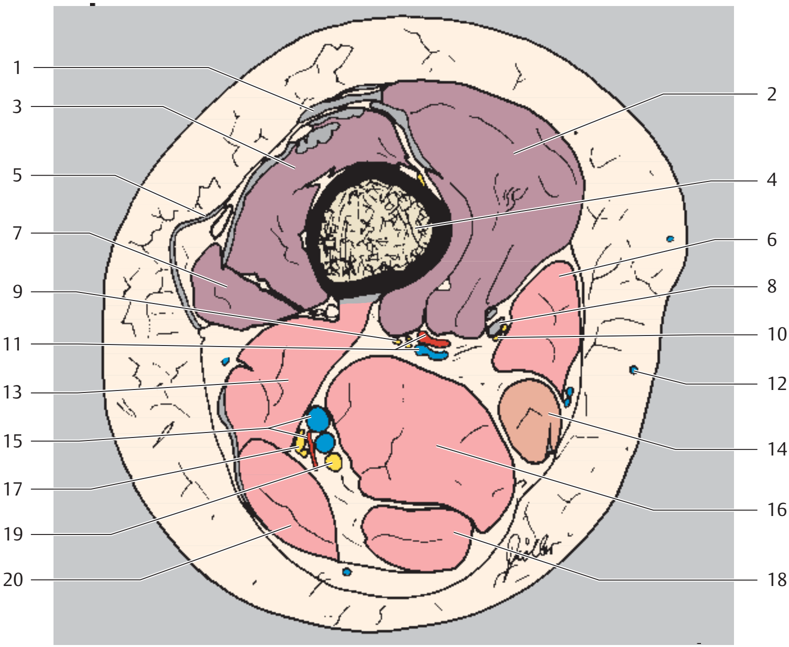




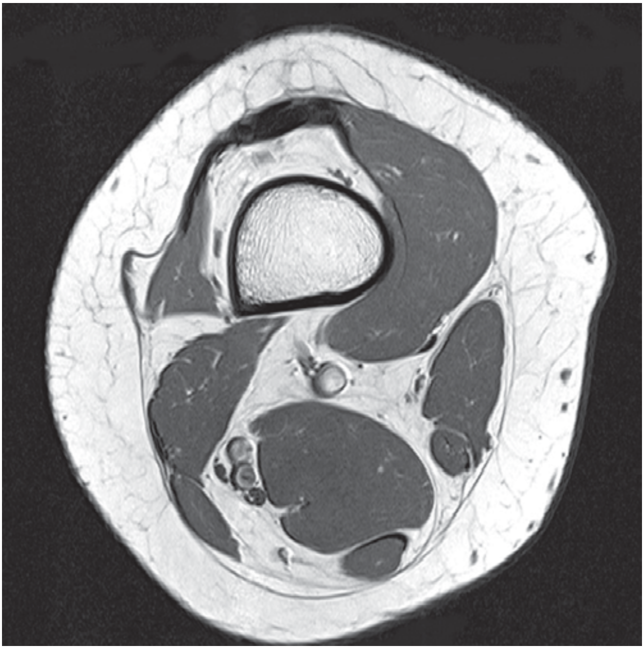
Ventral

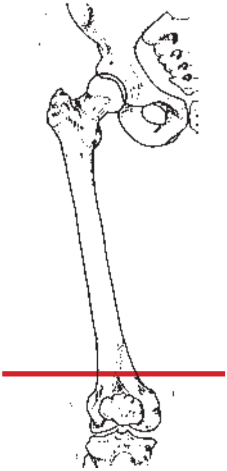
Lateral ☐ Medial

Dorsal



1 Rectus femoris muscle (tendon)
2 Vastus medialis muscle
3 Vastus intermedius muscle
4 Femur
5 Iliotibial tract
6 Sartorius muscle
7 Vastus lateralis muscle
8 Adductor magnus muscle (tendon)
9 Muscular branch of femoral nerve
10 Saphenous nerve
11 Femoral artery and vein
12 Great saphenous vein
13 Biceps femoris muscle (short head)
14 Gracilis muscle
15 Perforating artery and vein of deep artery and vein of thigh
16 Semimembranosus muscle
17 Common fibular (peroneal) nerve
18 Semitendinosus muscle
19 Tibial nerve
20 Biceps femoris muscle (long head)

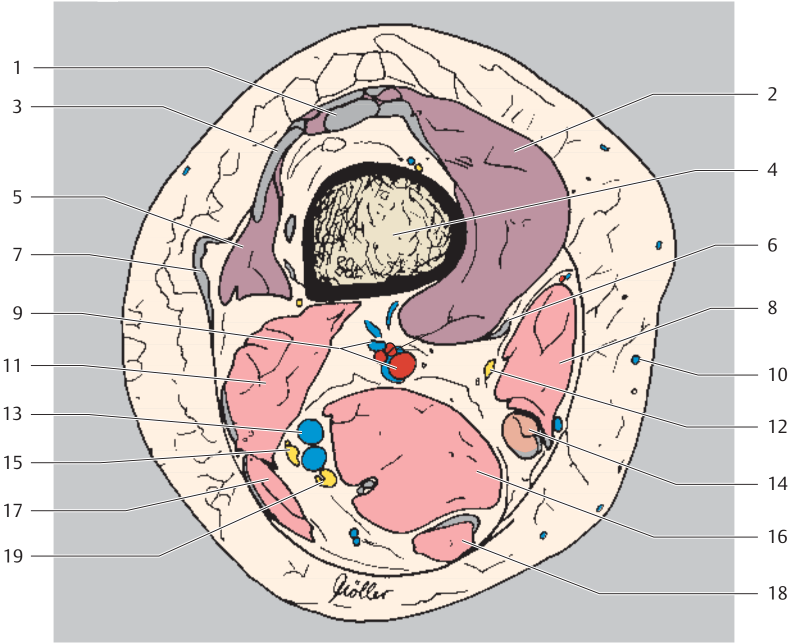




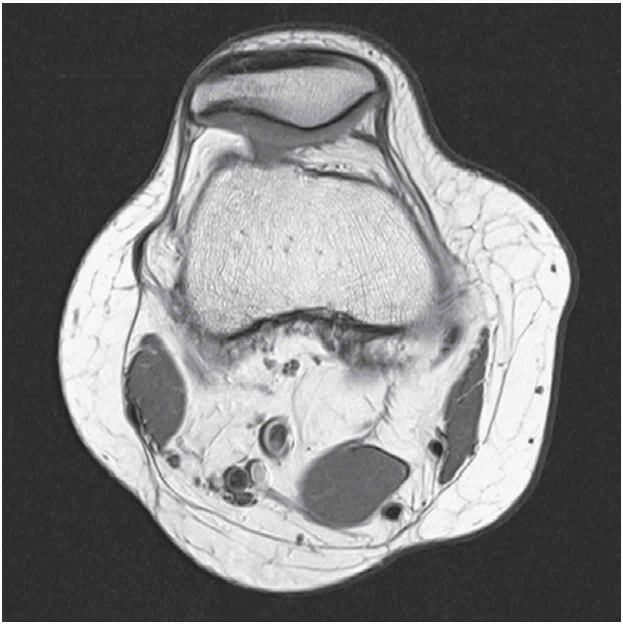
Ventral

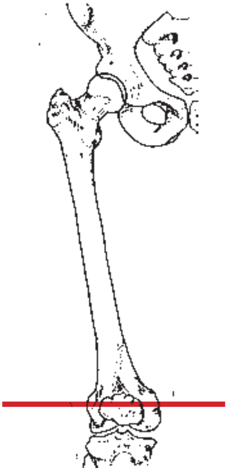
Lateral ☐ Medial

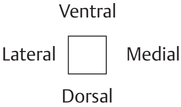
Dorsal

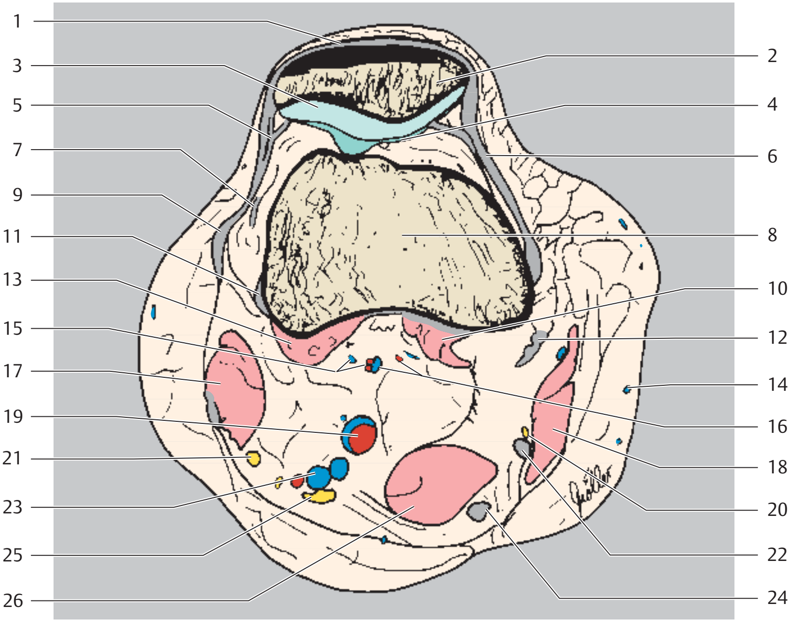


1	Rectus femoris muscle (tendon)	10	Great saphenous vein
2	Vastus medialis muscle	11	Biceps femoris muscle (short head)
3	Vastus intermedius muscle (+ tendon)	12	Saphenous nerve
4	Femur	13	Perforating vein of deep vein of thigh
5	Vastus lateralis muscle	14	Gracilis muscle
6	Adductor magnus muscle (tendon)	15	Common fibular (peroneal) nerve
7	Iliotibial tract	16	Semimembranosus muscle
8	Sartorius muscle	17	Biceps femoris muscle (long head)
9	Femoral artery and vein	18	Semitendinosus muscle
		19	Tibial nerve

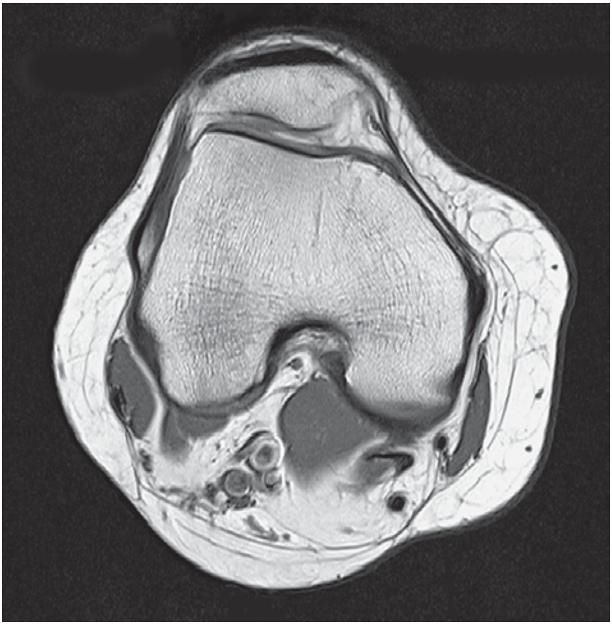


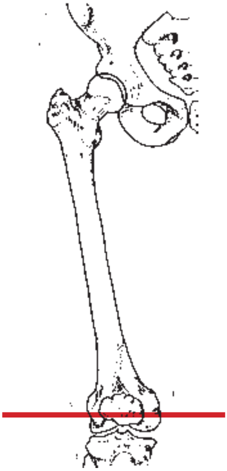


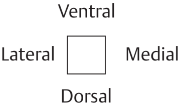

Ventral
Lateral
Medial
Dorsal

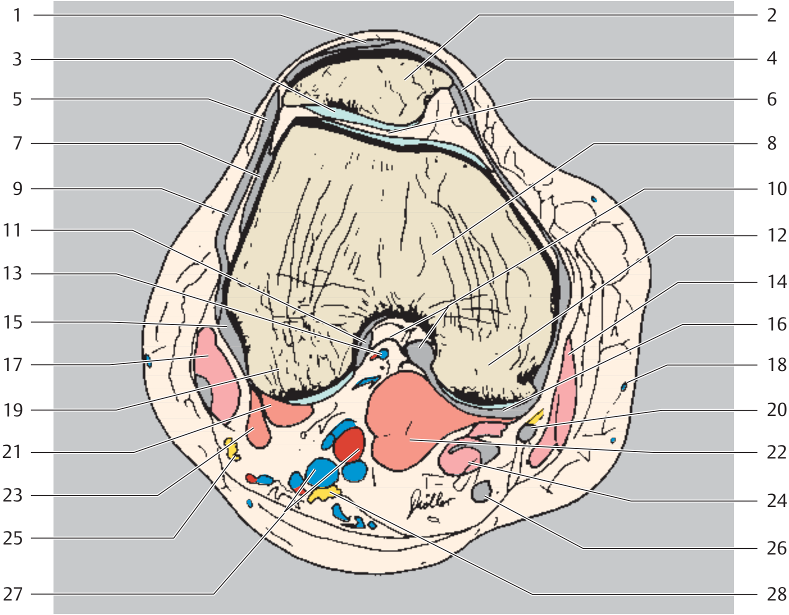


1 Patellar ligament
2 Patella
3 Retropatellar cartilage
4 Femoropatellar joint
5 Lateral patellar retinaculum
6 Medial patellar retinaculum
7 Vastus lateralis muscle (tendon)
8 Femur
9 Iliotibial tract
10 Gastrocnemius muscle (medial head, tendon)
11 Popliteus muscle (tendon)
12 Adductor magnus muscle (tendon)
13 Gastrocnemius muscle (lateral head)
14 Great saphenous vein
15 Superior lateral genicular artery and vein
16 Superior medial genicular artery and vein
17 Biceps femoris muscle (+ tendon)
18 Sartorius muscle
19 Femoral artery and vein
20 Saphenous nerve
21 Common fibular (peroneal) nerve
22 Gracilis muscle (tendon)
23 Perforating artery of deep artery of thigh
24 Semimembranosus muscle
25 Tibial nerve
26 Semitendinosus muscle

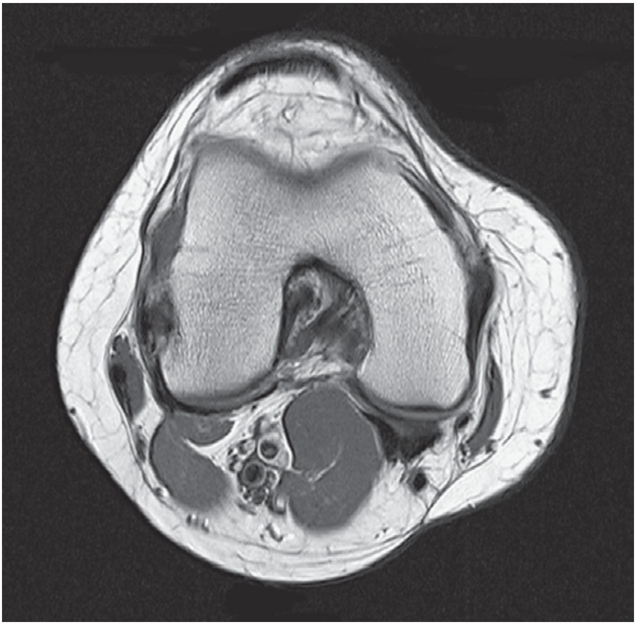


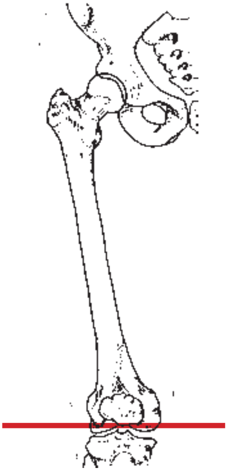



Ventral
Lateral
Medial
Dorsal



1	Patellar ligament	15	Popliteus muscle (tendon)
2	Patella	16	Joint capsule and oblique popliteal ligament
3	Retropatellar cartilage	17	Biceps femoris muscle (+ tendon)
4	Medial patellar retinaculum	18	Great saphenous vein
5	Lateral patellar retinaculum	19	Medial femoral condyle
6	Femoropatellar joint	20	Gracilis muscle (tendon)
7	Lateral collateral ligament	21	Plantaris muscle
8	Femur	22	Gastrocnemius muscle (medial head)
9	Iliotibial tract	23	Gastrocnemius muscle (lateral head)
10	Joint capsule and posterior cruciate ligament (attachment)	24	Semimembranosus muscle (+ tendon)
11	Anterior cruciate ligament (attachment)	25	Common fibular (peroneal) nerve
12	Medial femoral condyle	26	Semitendinosus muscle (tendon)
13	Middle genicular artery	27	Femoral artery and vein
14	Sartorius muscle	28	Tibial nerve

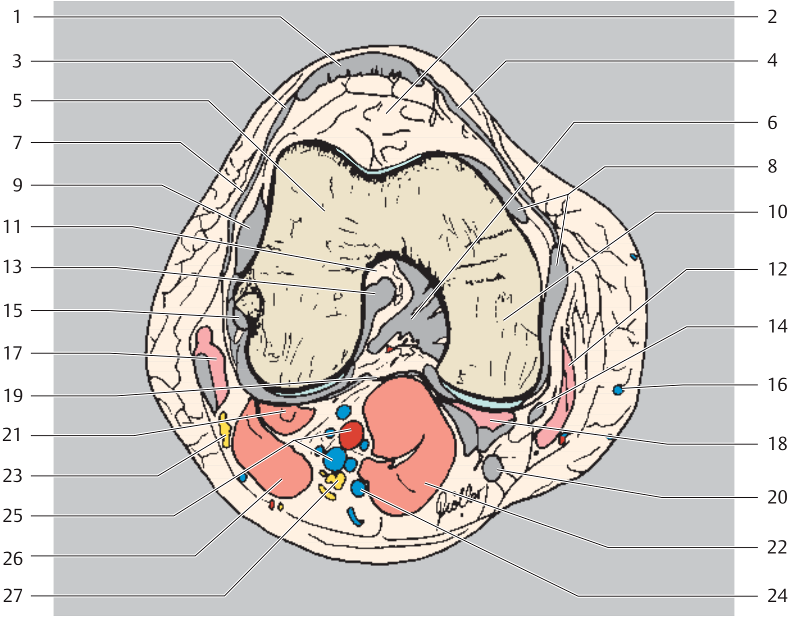




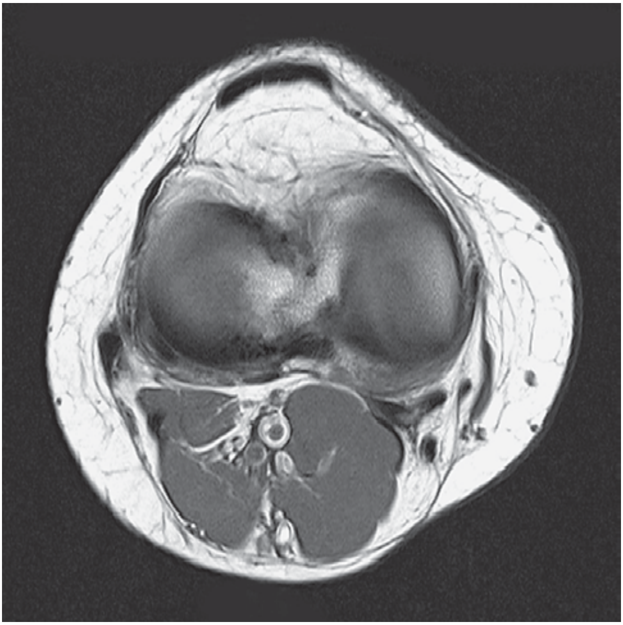
Ventral

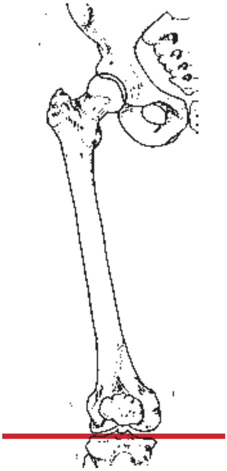
Lateral Medial

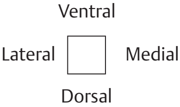
Dorsal

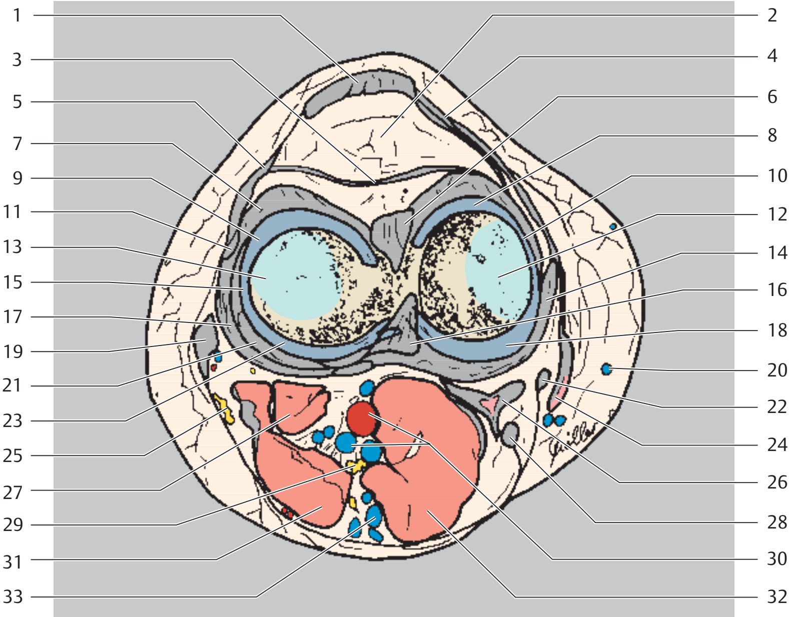


1	Patellar ligament
2	Infrapatellar fat body
3	Lateral patellar retinaculum
4	Medial patellar retinaculum
5	Lateral femoral condyle
6	Posterior cruciate ligament
7	Iliotibial tract
8	Medial collateral ligament
9	Lateral collateral ligament
10	Medial femoral condyle
11	Intercondylar fossa
12	Sartorius muscle
13	Anterior cruciate ligament
14	Gracilis muscle (tendon)
15	Popliteus muscle (tendon)
16	Great saphenous vein
17	Biceps femoris muscle (+ tendon)
18	Semimembranosus muscle (+ tendon)
19	Oblique popliteal ligament and joint capsule
20	Semitendinosus muscle (tendon)
21	Plantaris muscle
22	Gastrocnemius muscle (medial head)
23	Common fibular (peroneal) nerve
24	Popliteal vein
25	Femoral artery and vein
26	Gastrocnemius muscle (lateral head)
27	Tibial nerve

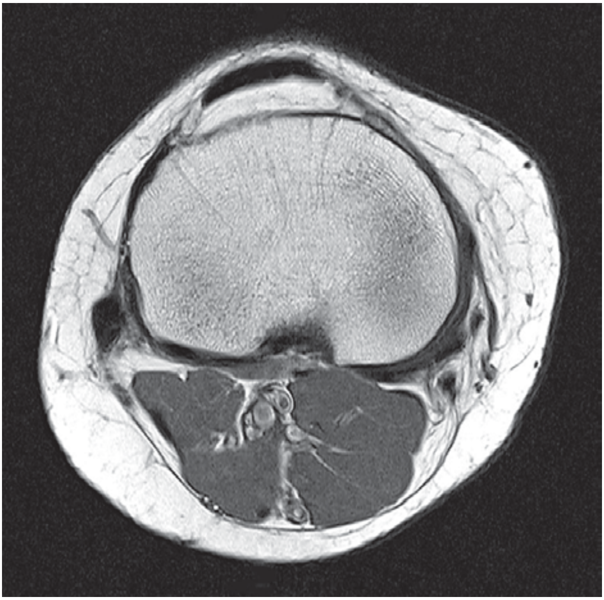


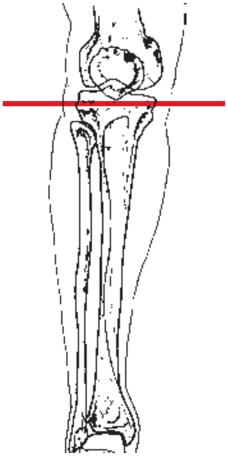



Ventral
Lateral
Medial
Dorsal



1 Patellar ligament
2 Infrapatellar fat body
3 Transverse patellar retinaculum
4 Medial patellar retinaculum
5 Lateral patellar retinaculum
6 Anterior cruciate ligament
7 Joint capsule
8 Medial meniscus (anterior horn)
9 Lateral meniscus (anterior horn)
10 Medial meniscus (intermediate part)
11 Iliotibial tract
12 Medial femoral condyle with joint cartilage
13 Lateral femoral condyle with joint cartilage
14 Medial collateral ligament
15 Lateral meniscus (intermediate portion)
16 Posterior cruciate ligament
17 Lateral collateral ligament
18 Medial meniscus (posterior horn)
19 Biceps femoris muscle (tendon)
20 Great saphenous vein
21 Popliteus muscle (tendon)
22 Gracilis muscle (tendon)
23 Lateral meniscus (posterior horn)
24 Sartorius muscle (+ tendon)
25 Common fibular (peroneal) nerve
26 Semimembranosus muscle (+ tendon)
27 Plantaris muscle
28 Semitendinosus muscle (tendon)
29 Tibial nerve
30 Femoral artery and vein
31 Gastrocnemius muscle (lateral head, tendon)
32 Gastrocnemius muscle (medial head, tendon)
33 Popliteal vein

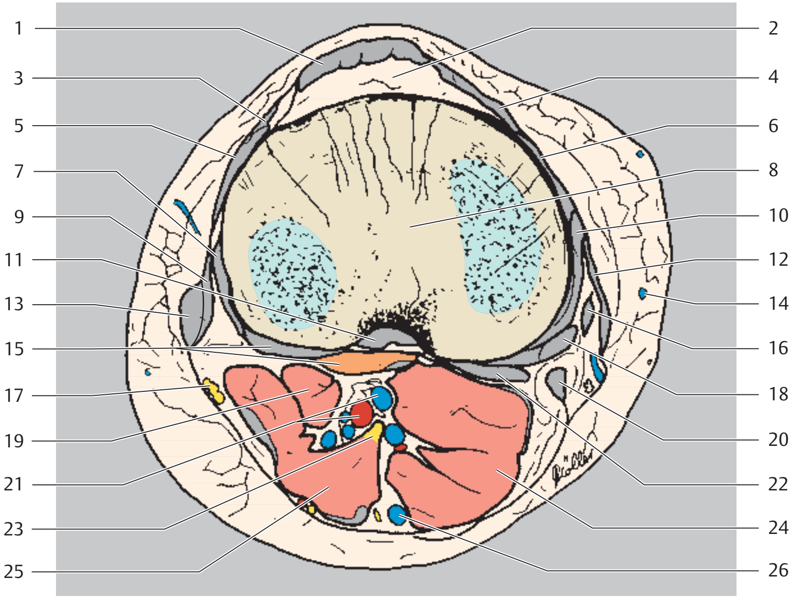




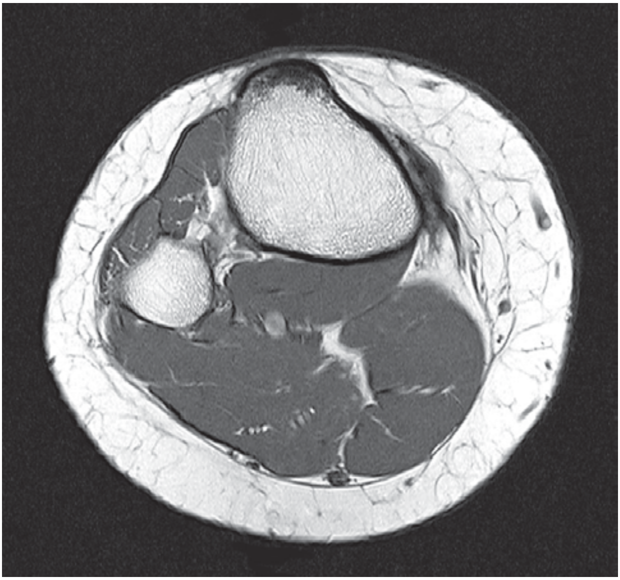
Anterior
Ventral

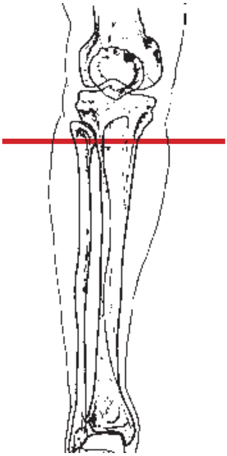
Lateral ☐ Medial

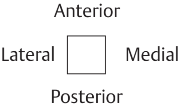
Dorsal
Posterior

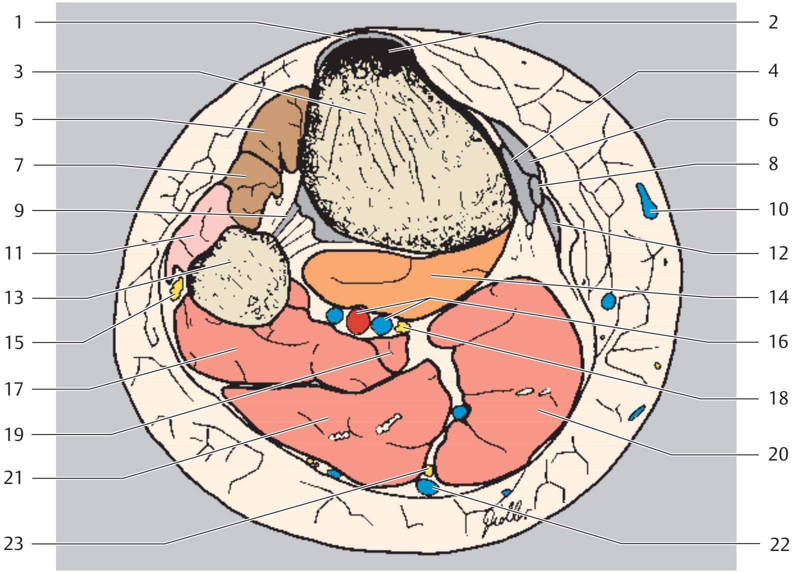


1 Patellar ligament
2 Infrapatellar fat body
3 Lateral patellar retinaculum
4 Medial patellar retinaculum
5 Iliotibial tract
6 Joint capsule
7 Lateral collateral ligament
8 Head of tibia
9 Fibular collateral ligament
10 Medial ligament
11 Posterior cruciate ligament
12 Sartorius muscle (tendon)
13 Biceps femoris muscle (tendon)
14 Great saphenous vein
15 Popliteus muscle (+ tendon)
16 Gracilis muscle (tendon)
17 Common fibular (peroneal) nerve
18 Semimembranosus muscle (+ tendon)
19 Plantaris muscle
20 Semitendinosus muscle (tendon)
21 Femoral artery and vein
22 Oblique popliteal ligament and joint capsule
23 Tibial nerve
24 Gastrocnemius muscle (medial head, tendon)
25 Gastrocnemius muscle (lateral head, tendon)
26 Popliteal vein

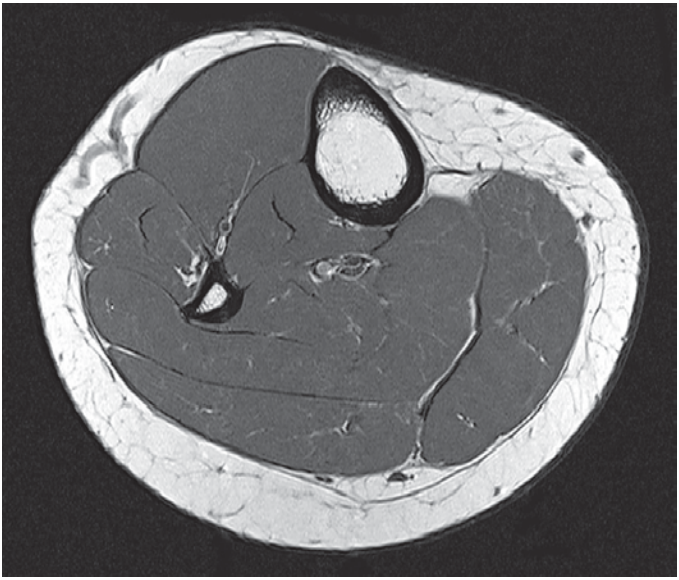


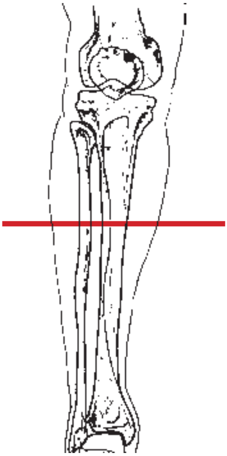


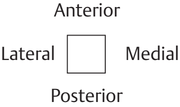

Anterior
Lateral
Medial
Posterior

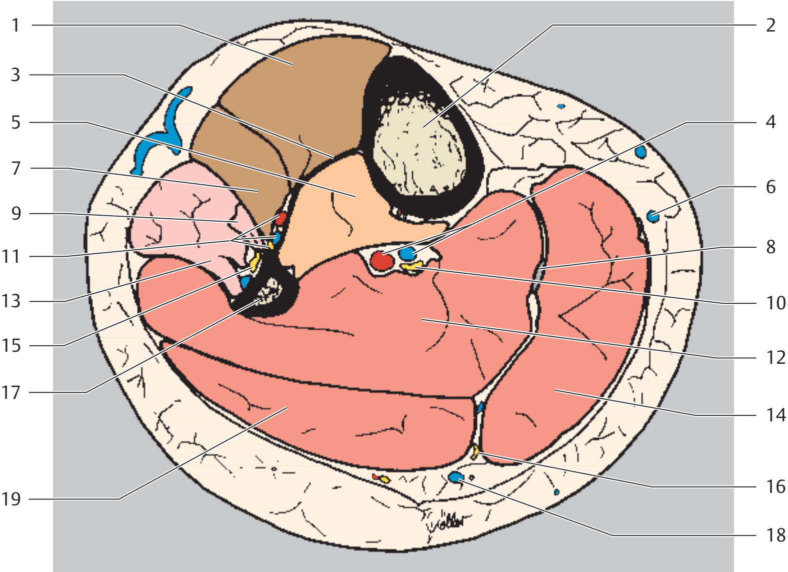


1 Patellar ligament
2 Tibial tuberosity
3 Tibia
4 Medial patellar retinaculum
5 Anterior tibial muscle
6 Sartorius muscle (tendon)
7 Extensor digitorum longus muscle
8 Gracilis muscle (tendon)
9 Interosseous membrane of leg
10 Great saphenous vein
11 Peroneus (fibularis) longus muscle
12 Semitendinosus muscle (tendon)
13 Head of fibula
14 Popliteus muscle
15 Common fibular (peroneal) nerve
16 Femoral artery and vein
17 Soleus muscle
18 Tibial nerve
19 Plantaris muscle
20 Gastrocnemius muscle (medial head)
21 Gastrocnemius muscle (lateral head)
22 Popliteal vein
23 Medial sural cutaneous nerve

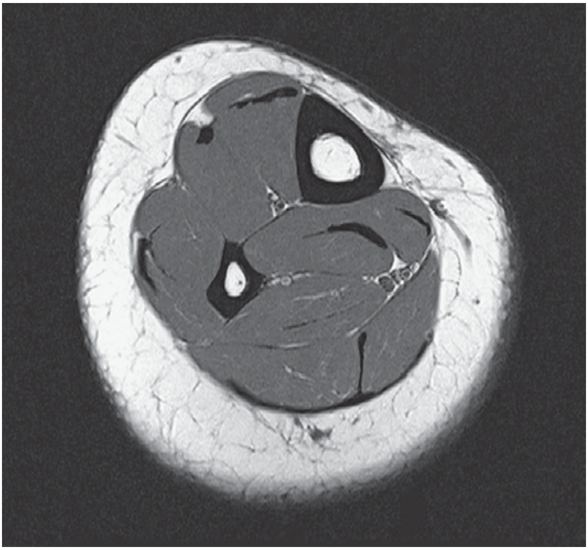


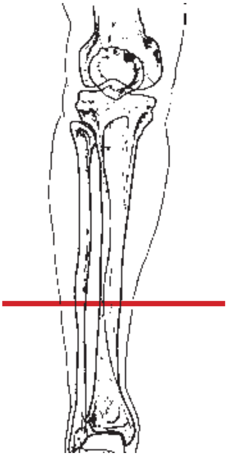



Anterior
Lateral
Medial
Posterior



1 Tibialis anterior muscle
2 Tibia
3 Interosseous membrane of leg
4 Femoral artery and vein
5 Tibialis posterior muscle
6 Great saphenous vein
7 Extensor digitorum longus muscle
8 Plantaris muscle (tendon)
9 Peroneus (fibularis) brevis muscle
10 Tibial nerve
11 Anterior tibial artery and vein and deep fibular (peroneal) nerve
12 Soleus muscle
13 Peroneus (fibularis) longus muscle
14 Gastrocnemius muscle (medial head)
15 Superficial fibular (peroneal) nerve
16 Medial sural cutaneous nerve
17 Fibula
18 Small saphenous vein
19 Gastrocnemius muscle (lateral head)

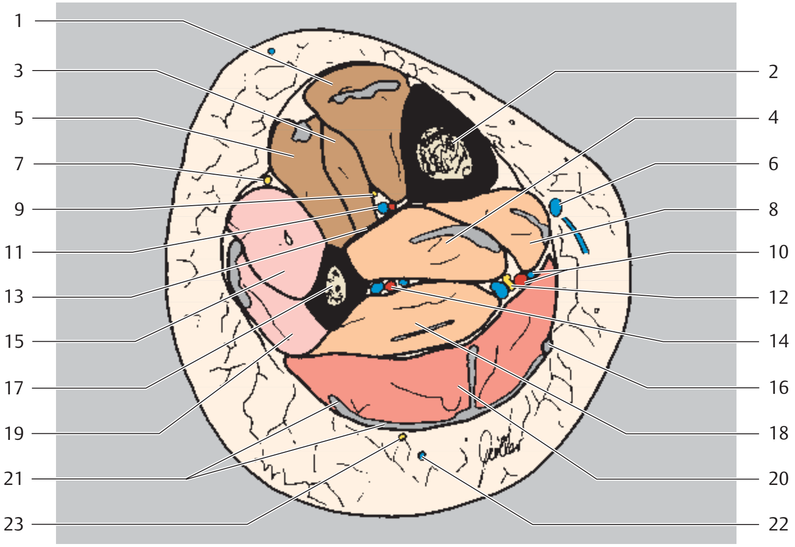




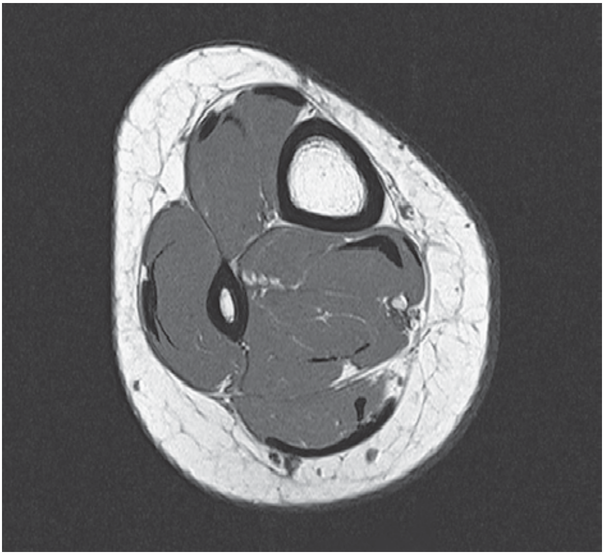
Anterior

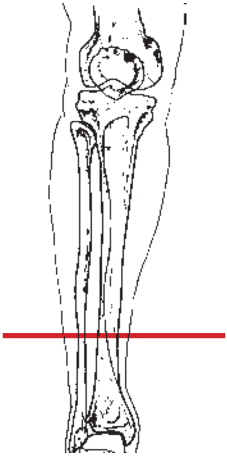
Lateral ☐ Medial

Posterior



1 Tibialis anterior muscle (+ tendon)
2 Tibia
3 Extensor hallucis longus muscle
4 Tibialis posterior muscle
5 Extensor digitorum longus muscle (+ tendon)
6 Great saphenous vein
7 Superficial fibular (peroneal) nerve
8 Flexor digitorum longus muscle (+ tendon)
9 Deep fibular (peroneal) nerve
10 Posterior tibial artery and vein
11 Anterior tibial artery and vein
12 Tibial nerve
13 Interosseous membrane of leg
14 Fibular (peroneal) artery and vein
15 Peroneus (fibularis) brevis muscle
16 Plantaris muscle (tendon)
17 Fibula
18 Flexor hallucis longus muscle
19 Peroneus (fibularis) longus muscle (+ tendon)
20 Soleus muscle
21 Gastrocnemius muscle (tendon)
22 Small saphenous vein
23 Medial sural cutaneous nerve

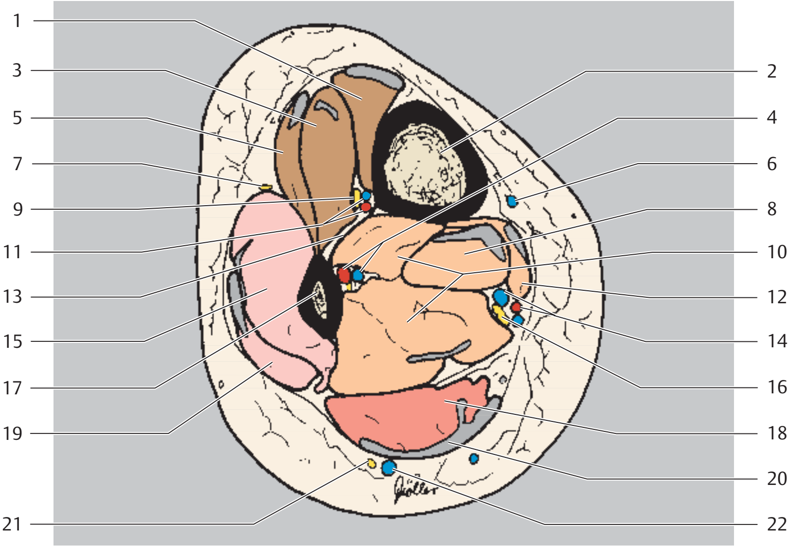




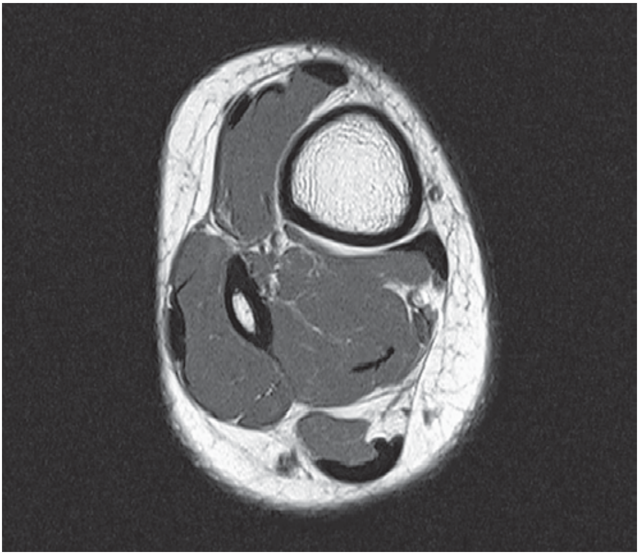
Anterior

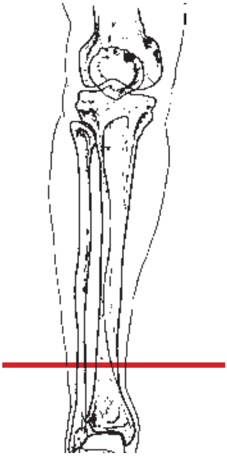
Lateral ☐ Medial

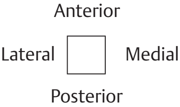
Posterior

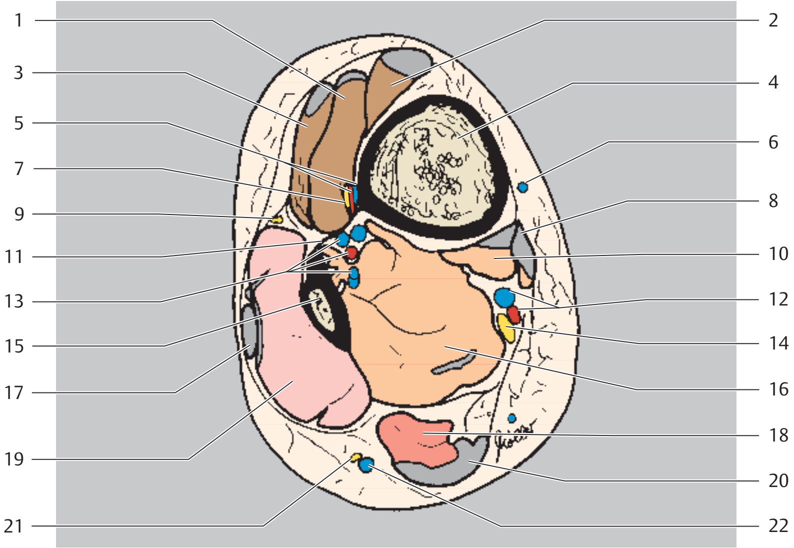


1	Tibialis anterior muscle (+ tendon)	11	Anterior tibial artery and vein
2	Tibia	12	Flexor digitorum longus muscle (+ tendon)
3	Extensor hallucis longus muscle	13	Interosseous membrane of leg
4	Fibular (peroneal) artery and vein	14	Posterior tibial artery and vein
5	Extensor digitorum longus muscle (+ tendon)	15	Peroneus (fibularis) brevis muscle
6	Great saphenous vein	16	Tibial nerve
7	Superficial fibular (peroneal) nerve	17	Fibula
8	Tibialis posterior muscle (+ tendon)	18	Soleus muscle
9	Deep fibular (peroneal) nerve	19	Peroneus (fibularis) longus muscle (+ tendon)
10	Flexor hallucis longus muscle	20	Gastrocnemius muscle (tendon, + tendon of plantaris muscle)
		21	Sural nerve
		22	Small saphenous vein

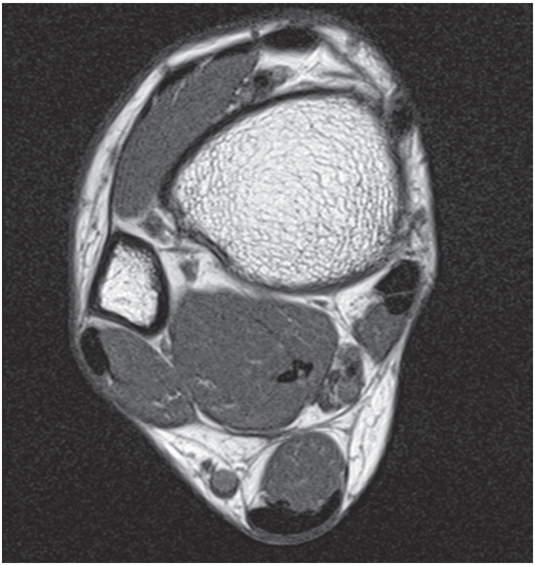


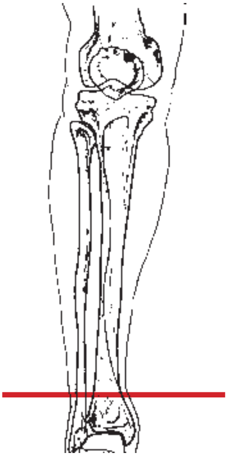


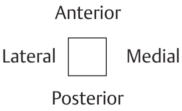

Anterior
Lateral
Medial
Posterior

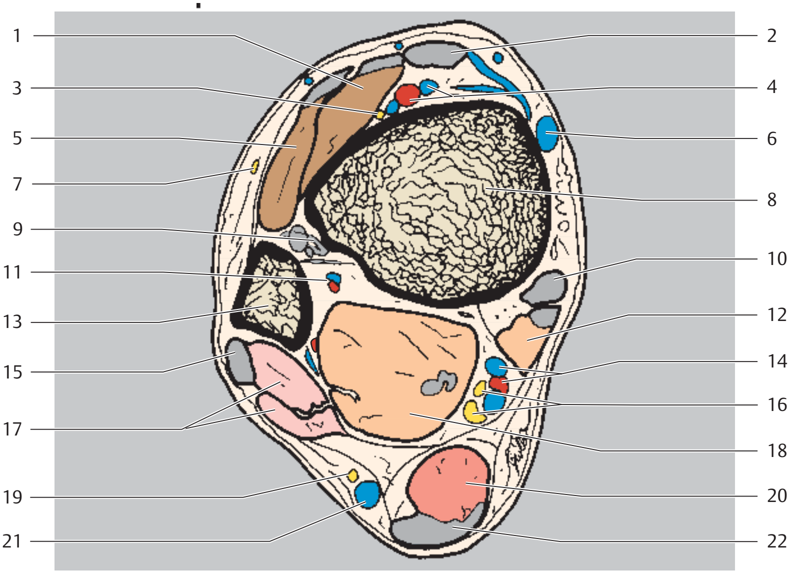


1	Extensor hallucis longus muscle (+ tendon)	11	Interosseous membrane of leg
2	Tibialis anterior muscle (+ tendon)	12	Posterior tibial artery and vein
3	Extensor digitorum longus muscle (+ tendon)	13	Fibular (peroneal) artery and veins
4	Tibia	14	Tibial nerve
5	Anterior tibial artery and vein	15	Fibula
6	Great saphenous vein	16	Flexor hallucis longus muscle
7	Deep fibular (peroneal) nerve	17	Peroneus (fibularis) longus muscle (tendon)
8	Flexor digitorum longus muscle (+ tendon)	18	Soleus muscle
9	Superficial fibular (peroneal) nerve	19	Peroneus (fibularis) brevis muscle
10	Tibialis posterior muscle (+ tendon)	20	Gastrocnemius muscle (tendon, + tendon of plantaris muscle)
		21	Sural nerve
		22	Small saphenous vein

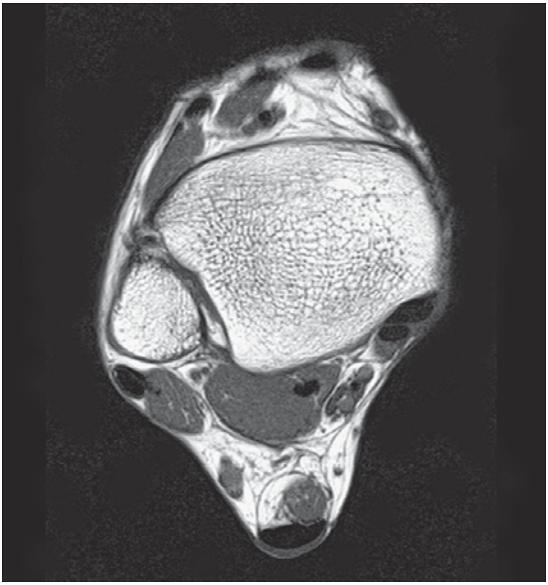


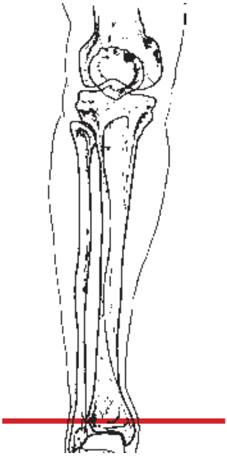



Anterior
Lateral
Medial
Posterior



1 Extensor hallucis longus muscle (+ tendon)
2 Tibialis anterior muscle (tendon)
3 Deep fibular (peroneal) nerve
4 Anterior tibial artery and vein
5 Extensor digitorum longus muscle (+ tendon)
6 Great saphenous vein
7 Superficial fibular (peroneal) nerve
8 Tibia
9 Interosseous membrane of leg
10 Tibialis posterior muscle (tendon)
11 Fibular (peroneal) artery and vein
12 Flexor digitorum longus muscle (+ tendon)
13 Fibula
14 Posterior tibial artery and vein
15 Peroneus (fibularis) longus muscle (tendon)
16 Tibial nerve
17 Peroneus (fibularis) brevis muscle
18 Flexor hallucis longus muscle
19 Sural nerve
20 Soleus muscle
21 Small saphenous vein
22 Tendons of triceps surae and plantaris muscles

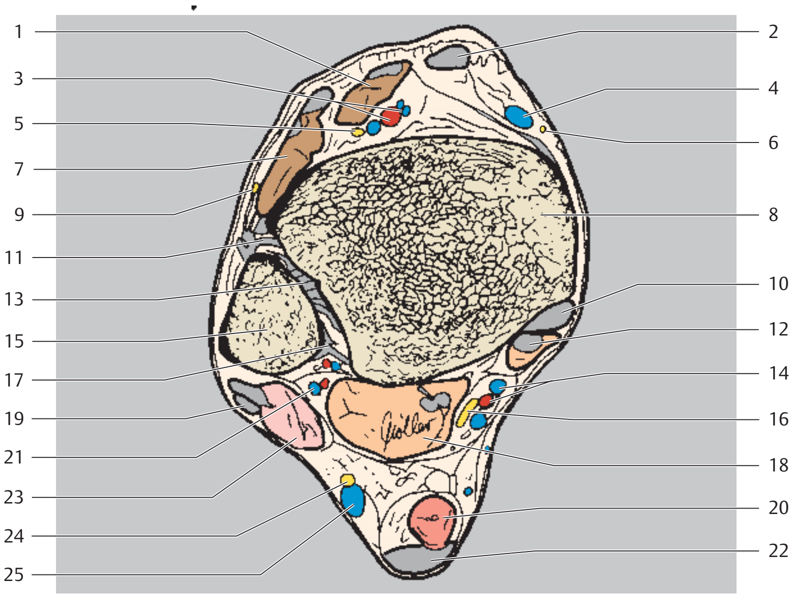




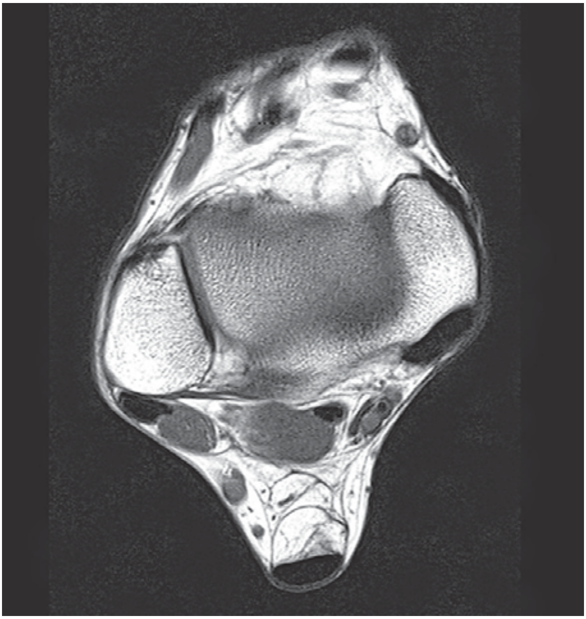
Anterior

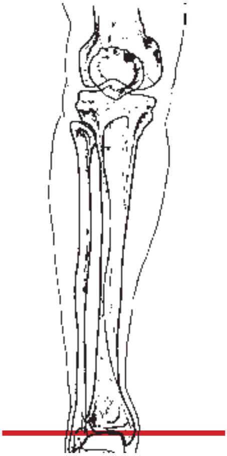
Lateral ☐ Medial

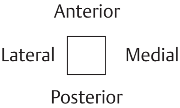
Posterior

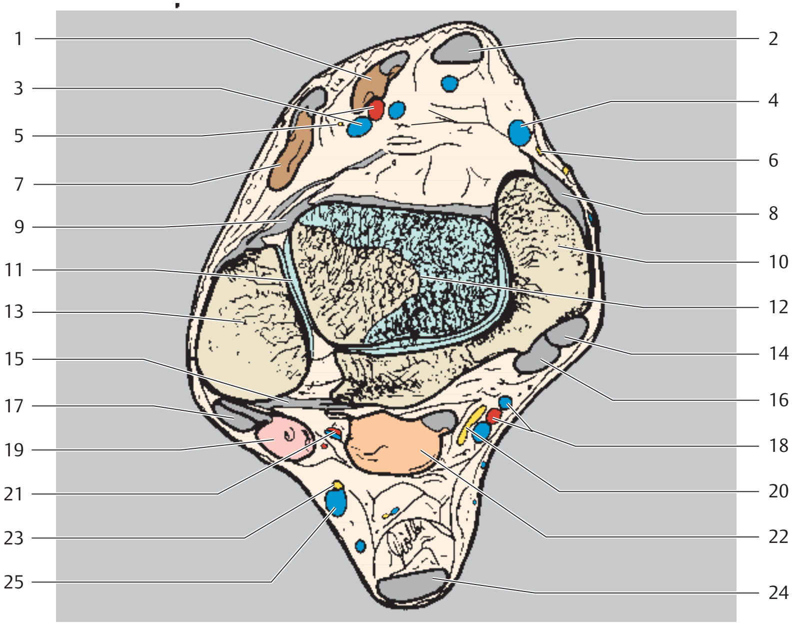


1 Extensor hallucis longus muscle (+ tendon)
2 Tibialis anterior muscle (tendon)
3 Anterior tibial artery and vein
4 Great saphenous vein
5 Deep fibular (peroneal) nerve
6 Saphenous nerve
7 Extensor digitorum longus muscle (+ tendon)
8 Tibia
9 Superficial fibular (peroneal) nerve
10 Tibialis posterior muscle (tendon)
11 Anterior tibiofibular ligament
12 Flexor digitorum longus muscle (+ tendon)
13 Inferior tibiofibular joint
14 Posterior tibial artery and vein
15 Fibula
16 Tibial nerve
17 Posterior tibiofibular ligament
18 Flexor hallucis longus muscle (+ tendon)
19 Peroneus (fibularis) longus muscle (tendon)
20 Soleus muscle
21 Fibular (peroneal) artery and vein
22 Tendons of triceps surae and plantaris muscles
23 Peroneus (fibularis) brevis muscle (+ tendon)
24 Sural nerve
25 Small saphenous vein

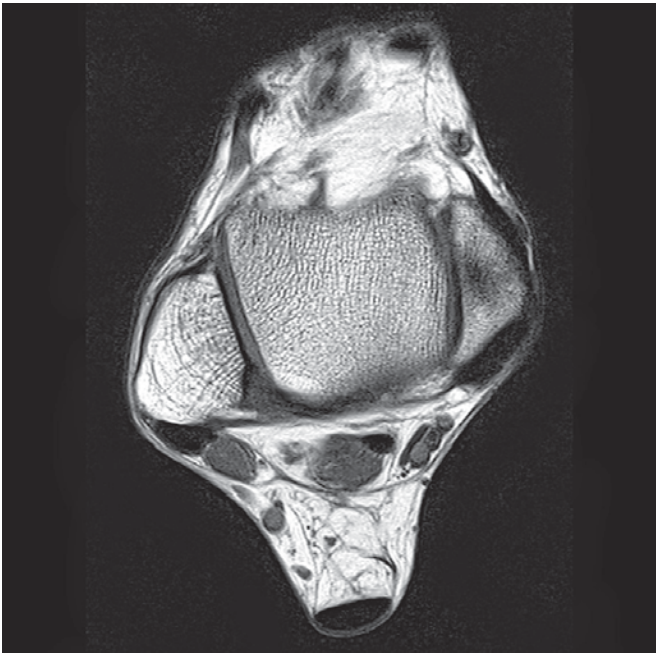


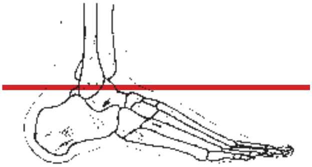



Anterior
Lateral
Medial
Posterior



1	Extensor hallucis longus muscle (+ tendon)
2	Tibialis anterior muscle (tendon)
3	Anterior tibial artery and vein
4	Great saphenous vein
5	Deep fibular (peroneal) nerve
6	Saphenous nerve
7	Extensor digitorum longus muscle (+ tendon)
8	Deltoid ligament (tibionavicular and anterior tibiotalar parts)
9	Anterior tibiofibular ligament
10	Medial malleolus (tibia)
11	Tibiofibular syndesmosis
12	Talocrural joint
13	Lateral malleolus (fibula)
14	Tibialis posterior muscle (tendon)
15	Posterior tibiofibular ligament
16	Flexor digitorum longus muscle (tendon)
17	Peroneus (fibularis) longus muscle (tendon)
18	Posterior tibial artery and vein
19	Peroneus (fibularis) brevis muscle (+ tendon)
20	Tibial nerve
21	Fibular (peroneal) artery and vein
22	Flexor hallucis longus muscle (+ tendon)
23	Sural nerve
24	Tendons of triceps surae muscle and plantaris muscle
25	Small saphenous vein

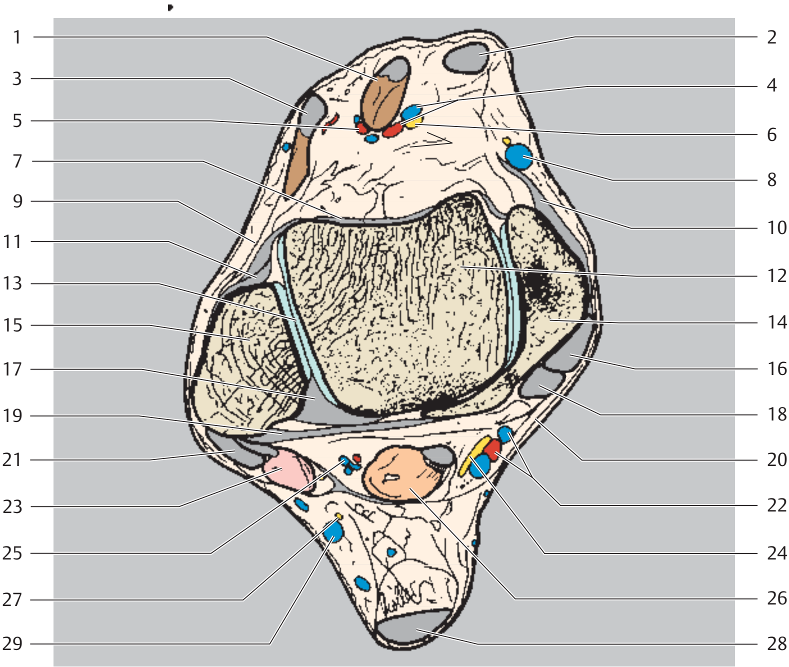




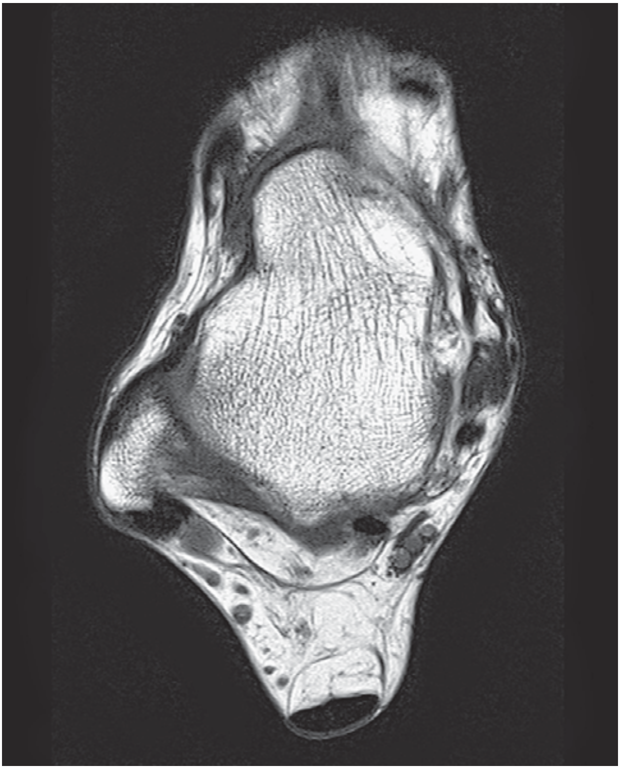
Anterior

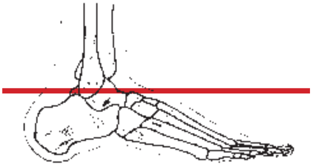
Lateral ☐ Medial

Posterior



1 Extensor hallucis longus muscle (tendon)
2 Tibialis anterior muscle (tendon)
3 Extensor digitorum longus muscle (tendon)
4 Dorsalis pedis artery
5 Lateral tarsal artery
6 Deep fibular nerve
7 Dorsal talonavicular ligament and joint capsule
8 Great saphenous vein
9 Extensor retinaculum
10 Deltoid ligament (tibionavicular and anterior tibiotalar parts)
11 Anterior talofibular ligament
12 Talus
13 Talocrural joint
14 Medial malleolus (tibia)
15 Lateral malleolus (fibula)
16 Tibialis posterior muscle (tendon)
17 Posterior talofibular ligament
18 Flexor digitorum longus muscle (tendon)
19 Posterior tibiofibular ligament
20 Flexor retinaculum
21 Peroneus (fibularis) longus muscle (tendon)
22 Posterior tibial artery and vein
23 Peroneus (fibular) brevis muscle (+ tendon)
24 Tibial nerve
25 Fibular (peroneal) artery and vein
26 Flexor hallucis longus muscle (+ tendon)
27 Sural nerve
28 Achilles' tendon (calcaneal tendon)
29 Small saphenous vein



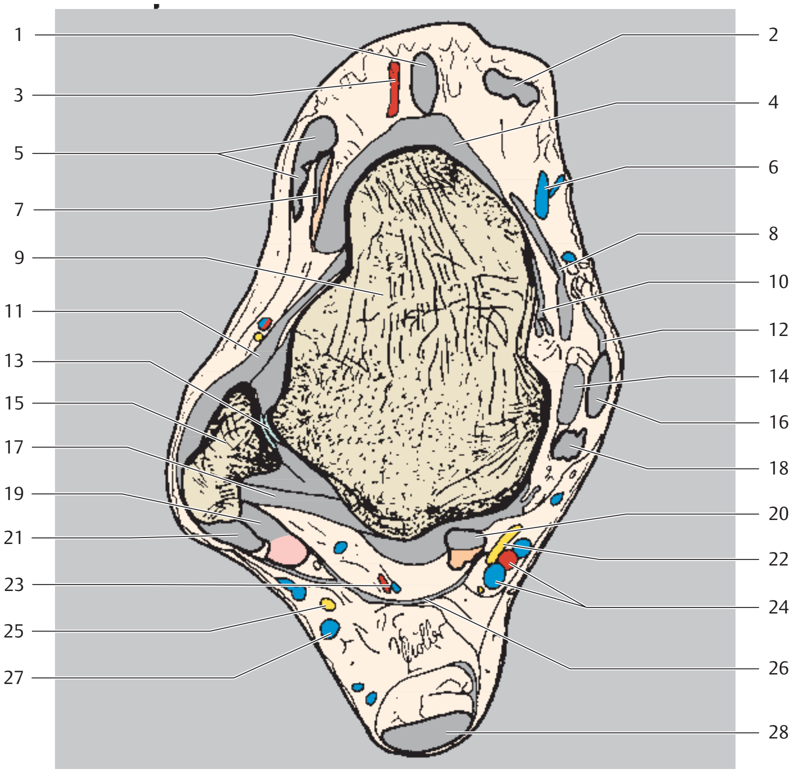


Anterior

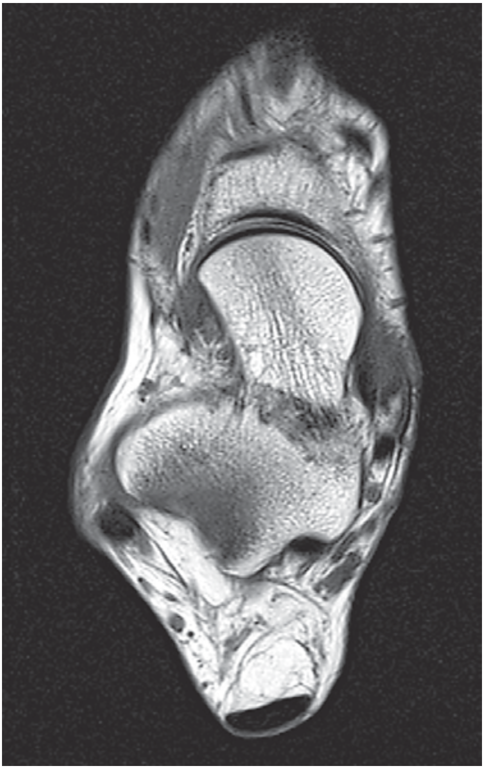
Lateral Medial

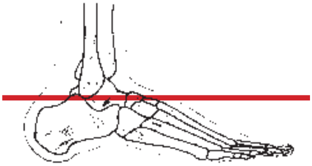
Posterior

1 Extensor hallucis longus muscle (tendon)
2 Tibialis anterior muscle (tendon)
3 Dorsalis pedis artery
4 Dorsal talonavicular ligament
5 Extensor digitorum longus muscle (+ tendon)



6 Great saphenous vein
7 Extensor digitorum brevis muscle (+ tendon)
8 Deltoid ligament (tibionavicular part)
9 Talus
10 Deltoid ligament (anterior tibiotalar part)
11 Anterior talofibular ligament
12 Flexor retinaculum
13 Talocrural joint
14 Deltoid ligament (posterior tibiotalar part)
15 Lateral malleolus (fibula)
16 Tibialis posterior muscle (tendon)
17 Posterior talofibular ligament
18 Flexor digitorum longus muscle (tendon)
19 Peroneus (fibularis) brevis muscle (+ tendon)
20 Flexor hallucis longus muscle (+ tendon)
21 Peroneus (fibularis) longus muscle (tendon)
22 Tibial nerve
23 Fibular (peroneal) artery and vein
24 Posterior tibial artery and vein
25 Sural nerve
26 Superior peroneal retinaculum
27 Small saphenous vein
28 Achilles' tendon (calcaneal tendon)



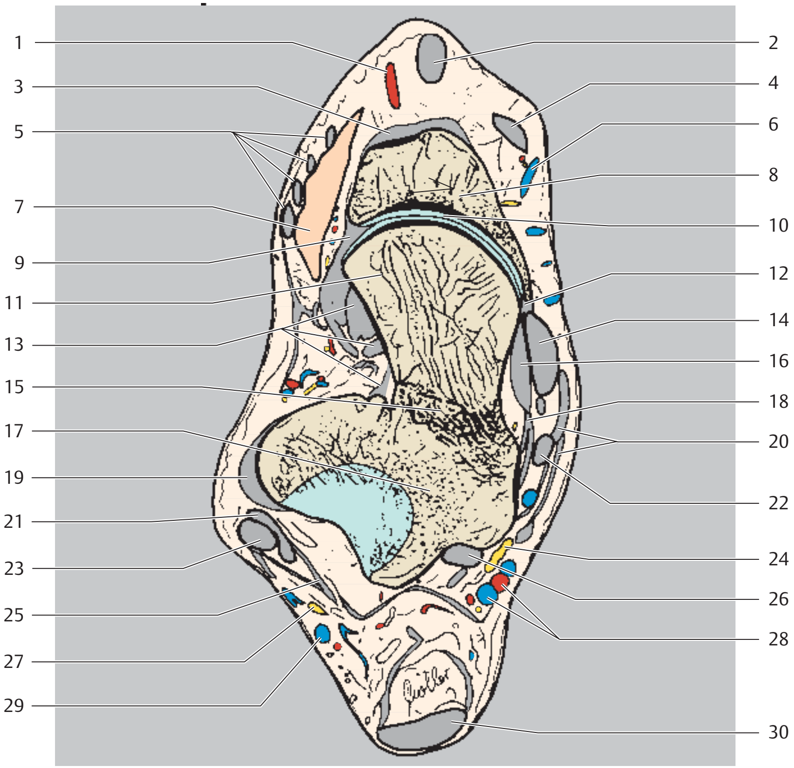


Anterior

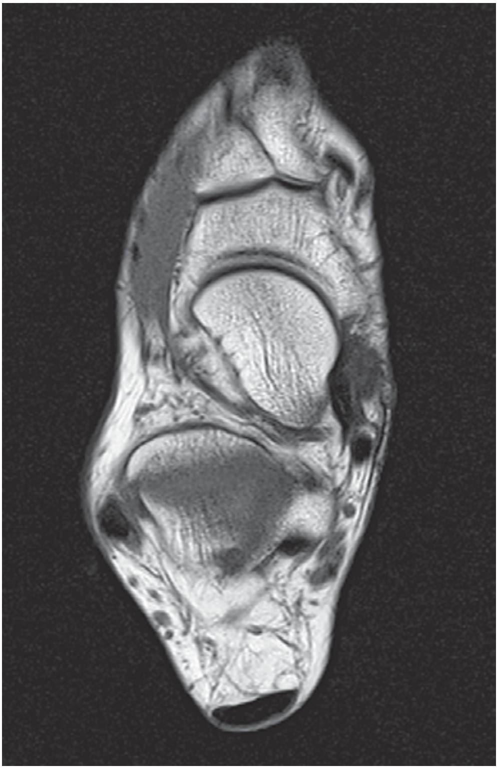
Lateral ☐ Medial

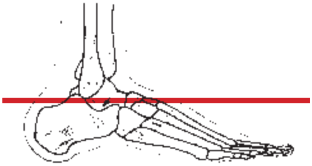
Posterior

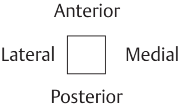
1 Dorsalis pedis artery
2 Extensor hallucis longus muscle (tendon)
3 Dorsal tarsal ligaments
4 Tibialis anterior muscle (tendon)
5 Extensor digitorum longus muscle (tendon)
6 Great saphenous vein



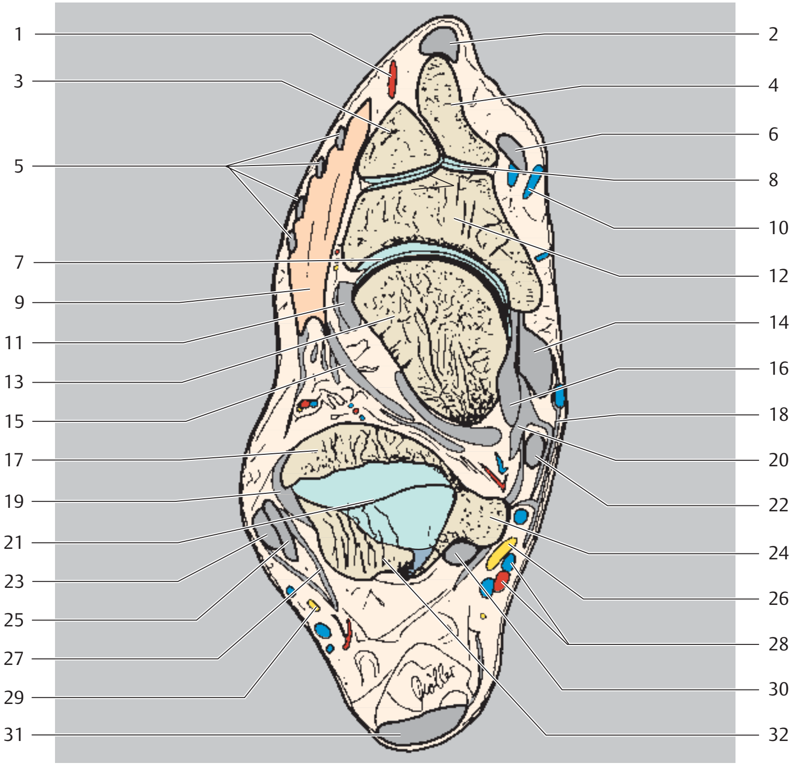
7 Extensor digitorum brevis muscle
8 Navicular
9 Dorsal talonavicular ligament
10 Talonavicular joint
11 Head of talus
12 Deltoid ligament (tibionavicular part)
13 Interosseous talocalcaneal ligament
14 Tibialis posterior muscle (tendon)
15 Neck of talus
16 Deltoid ligament (tibiocalcaneal part)
17 Talus (body)
18 Deltoid ligament (posterior tibiotalar part)
19 Calcaneofibular ligament
20 Flexor retinaculum
21 Peroneus (fibularis) brevis muscle (tendon)
22 Flexor digitorum longus muscle (tendon)
23 Peroneus (fibularis) longus muscle (tendon)
24 Tibial nerve
25 Superior fibular (peroneal) retinaculum
26 Flexor hallucis longus muscle (tendon)
27 Sural nerve
28 Posterior tibial artery and vein
29 Small saphenous vein
30 Achilles' tendon (calcaneal tendon)



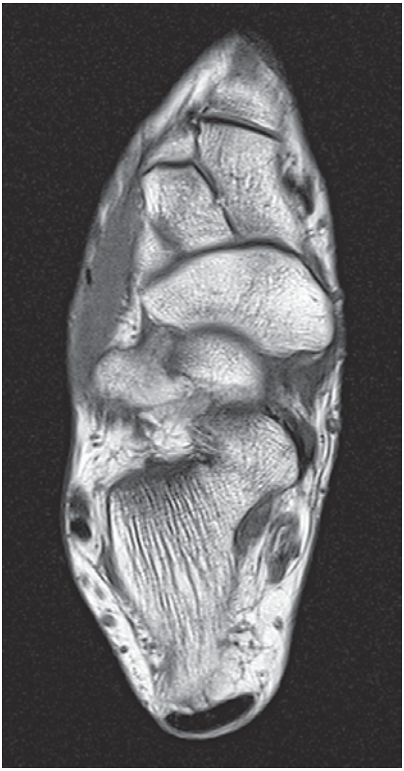


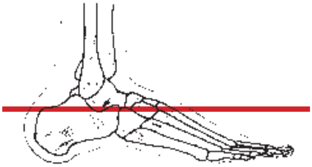

Anterior
Lateral
Medial
Posterior

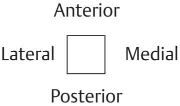
1 Dorsalis pedis artery
2 Extensor hallucis longus muscle (tendon)
3 Intermediate cuneiform
4 Medial cuneiform
5 Extensor digitorum longus muscle (tendons)



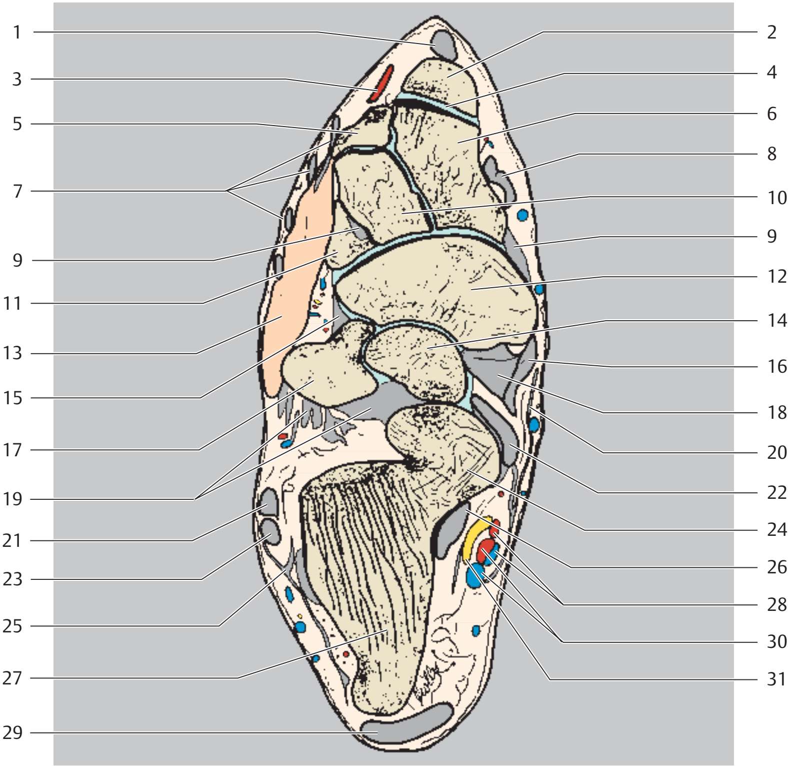
6 Tibialis anterior muscle
7 Talonavicular joint
8 Cuneonavicular joint
9 Extensor digitorum brevis muscle
10 Great saphenous vein
11 Bifurcate ligament
12 Navicular
13 Talus (head)
14 Tibialis posterior muscle (tendon)
15 Interosseous talocalcaneal ligament
16 Deltoid ligament (tibiocalcaneal and tibionavicular part)
17 Talus (body)
18 Flexor retinaculum
19 Calcaneofibular ligament
20 Talocalcaneal ligament (medial)
21 Subtalar (talocalcaneal) joint
22 Flexor digitorum longus muscle (tendon)
23 Peroneus (fibularis) longus muscle (tendon)
24 Talus (posterior process)
25 Peroneus (fibularis) brevis muscle (tendon)
26 Tibial nerve
27 Peroneal retinaculum
28 Posterior tibial artery and vein
29 Dorsal lateral cutaneous nerve
30 Flexor hallucis longus muscle (tendon)
31 Achilles' tendon (calcaneal tendon)
32 Calcaneus



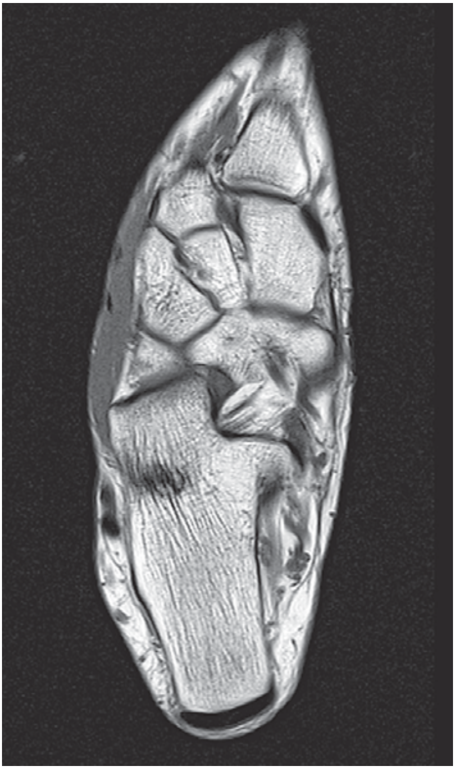


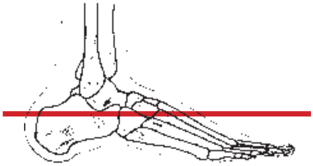

Anterior
Lateral
Medial
Posterior

1 Extensor hallucis longus muscle (tendon)
2 Metatarsal I (base)
3 Dorsalis pedis artery
4 First tarsometatarsal joint
5 Metatarsal II (base)
6 Medial cuneiform



7 Extensor digitorum longus muscle (tendons)
8 Tibialis anterior muscle (tendon)
9 Dorsal tarsal ligaments
10 Intermediate cuneiform
11 Lateral cuneiform
12 Navicular
13 Extensor digitorum brevis muscle
14 Talus (head)
15 Bifurcate ligament
16 Deltoid ligament (tibionavicular part)
17 Calcaneus
18 Tibialis posterior muscle (tendon)
19 Interosseous talocalcaneal ligament
20 Flexor retinaculum
21 Peroneus (fibularis) brevis muscle (tendon)
22 Flexor digitorum longus muscle (tendon)
23 Peroneus (fibularis) longus muscle (tendon)
24 Calcaneus (talar shelf)
25 Peroneal retinaculum
26 Flexor hallucis longus muscle (tendon)
27 Calcaneal tuberosity
28 Medial plantar artery and vein
29 Achilles' tendon (calcaneal tendon)
30 Lateral plantar artery and vein
31 Tibial nerve



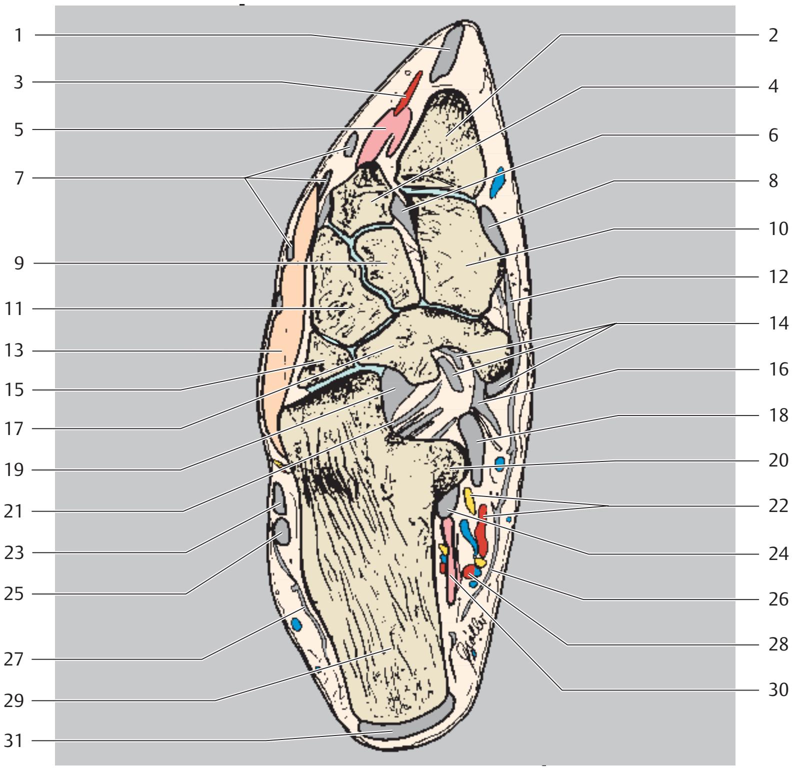


Anterior

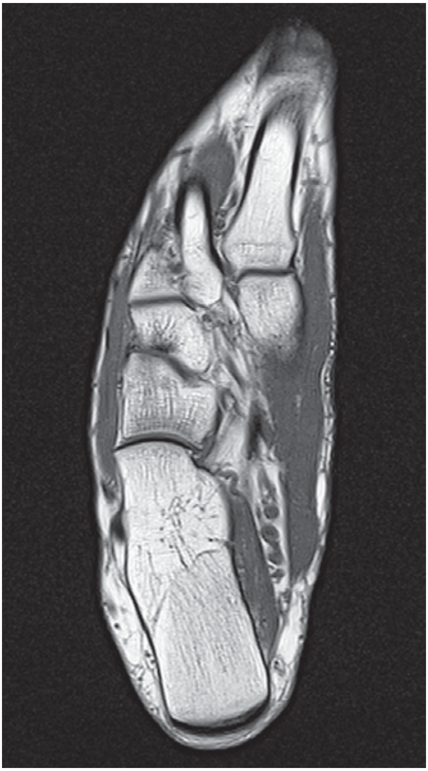
Lateral Medial

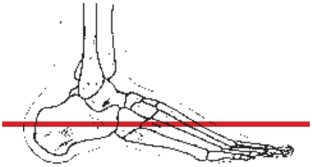
Posterior

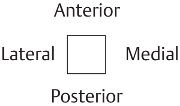
1. Extensor hallucis longus muscle (tendon)
2. Metatarsal I (base)
3. Dorsalis pedis artery
4. Metatarsal II (base)
5. Dorsal interosseous muscles
6. Interosseous cuneometatarsal ligaments
7. Extensor digitorum longus muscle (tendons)

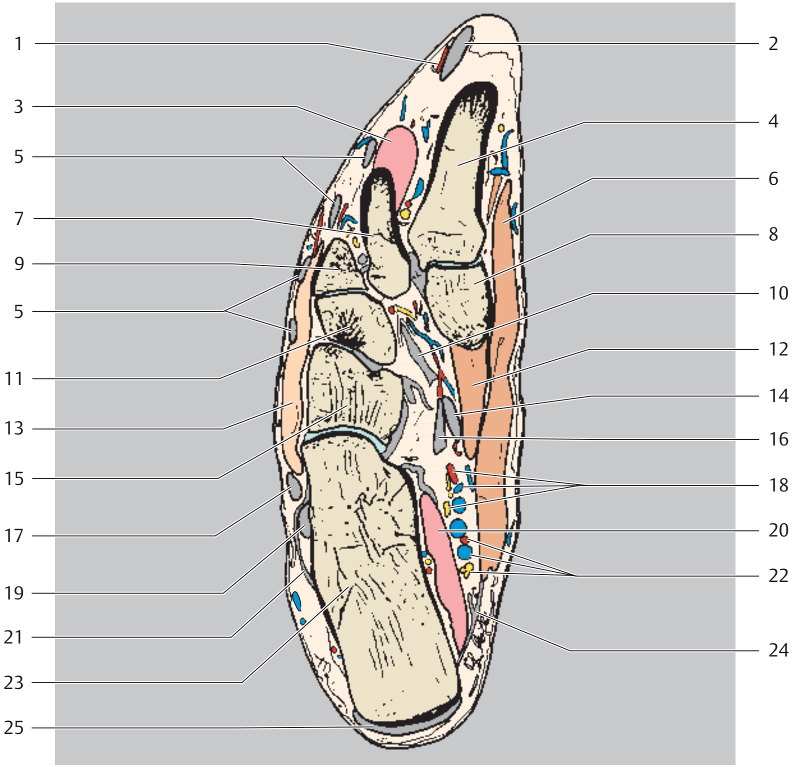


8 Tibialis anterior muscle (tendon)
9 Intermediate cuneiform
10 Medial cuneiform
11 Lateral cuneiform
12 Dorsal tarsal ligaments
13 Extensor digitorum brevis muscle
14 Tibialis posterior muscle (tendon)
15 Cuboid
16 Spring ligament (plantar calcaneonavicular ligament)
17 Navicular
18 Flexor digitorum longus muscle (tendon)
19 Spring ligament (plantar calcaneonavicular ligament)
20 Calcaneus (talar shelf)
21 Long plantar ligament
22 Medial plantar artery and vein
23 Peroneus (fibularis) brevis muscle (tendon)
24 Flexor hallucis longus muscle (tendon)
25 Peroneus (fibularis) longus muscle (tendon)
26 Flexor retinaculum
27 Peroneal retinaculum
28 Lateral plantar artery and vein
29 Calcaneus (calcaneal tuberosity)
30 Quadratus plantae muscle
31 Achilles' tendon (calcaneal tendon)

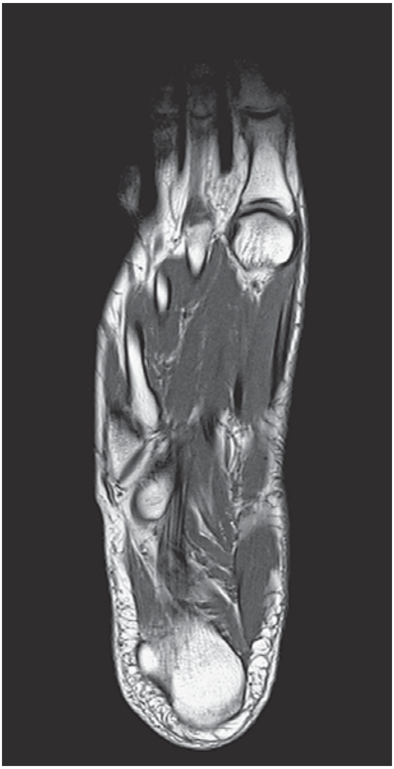


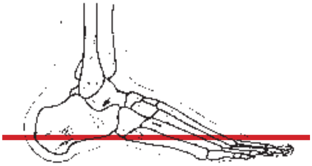



Anterior
Lateral
Medial
Posterior



1 Dorsalis pedis artery
2 Extensor hallucis longus muscle (tendon)
3 Dorsal interosseous muscles
4 Metatarsal I (base)
5 Extensor digitorum longus muscle (tendons)
6 Abductor hallucis muscle
7 Metatarsal II (base)
8 Medial cuneiform
9 Metatarsal III (base)
10 Tibialis posterior muscle (tendon)
11 Lateral cuneiform
12 Flexor hallucis brevis muscle
13 Extensor digitorum brevis muscle
14 Flexor hallucis longus muscle (tendon)
15 Cuboid
16 Flexor digitorum longus muscle (tendon)
17 Peroneus (fibularis) brevis muscle (tendon)
18 Medial plantar artery, vein, and nerve
19 Peroneus (fibularis) brevis muscle (tendon)
20 Quadratus plantae muscle
21 Inferior fibular (peroneal) retinaculum
22 Lateral plantar artery, vein, and nerve
23 Calcaneus
24 Flexor retinaculum
25 Achilles' tendon (calcaneal tendon) (attachment)



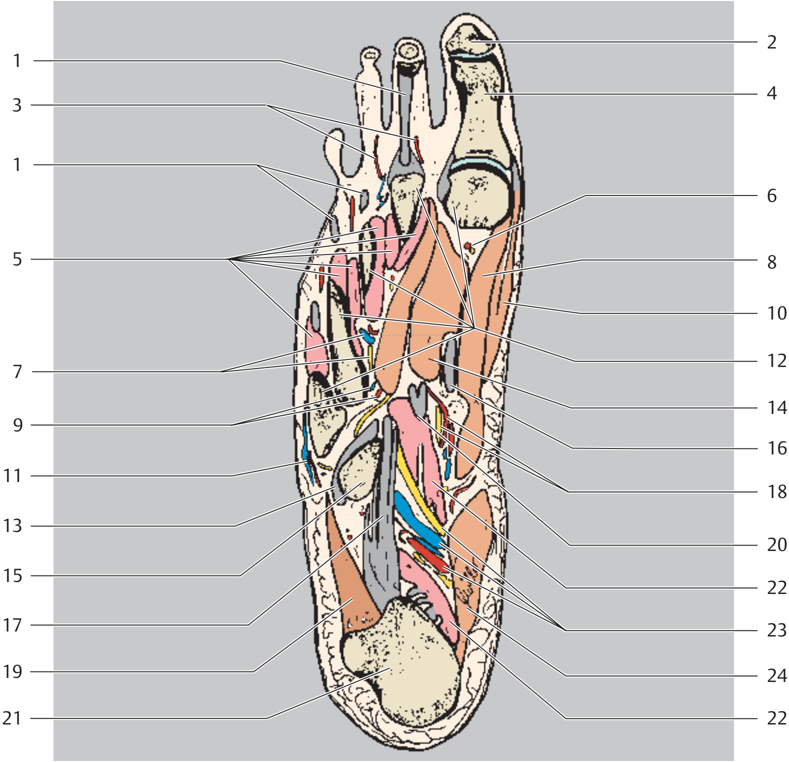


Anterior

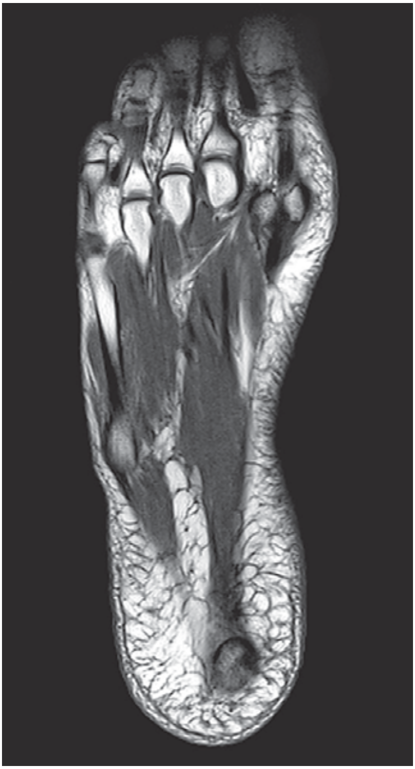
Lateral Medial

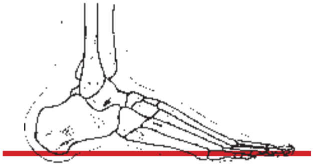
Posterior

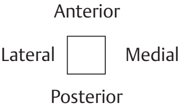
1 Extensor digitorum longus muscle (tendon)
2 Distal phalanx I
3 Plantar digital arteries
4 Proximal phalanx I
5 Dorsal and plantar interosseous muscles

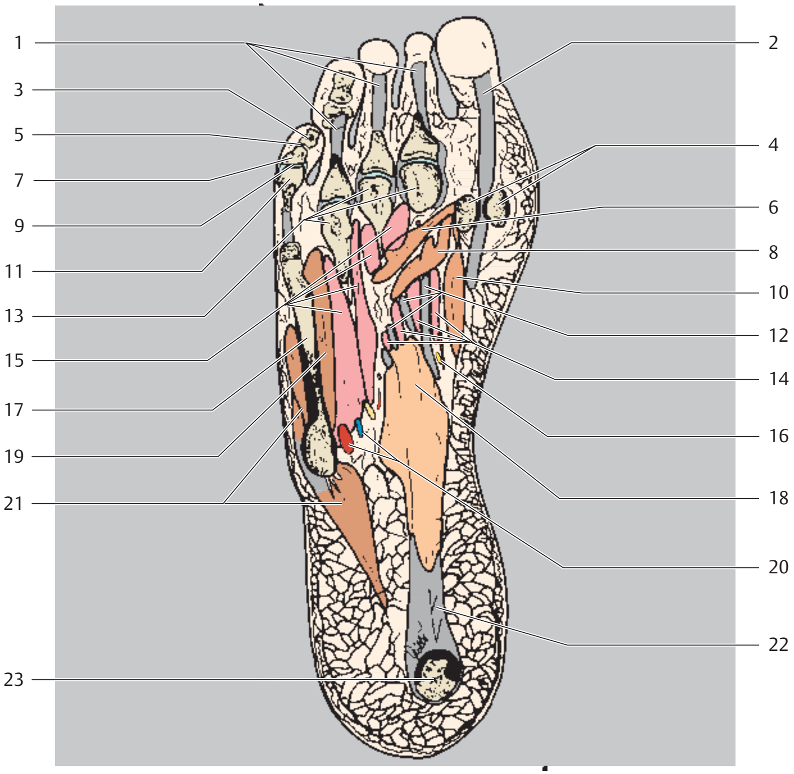


6 Plantar metatarsal artery and vein
7 Lateral plantar artery and vein (superficial branch)
8 Flexor hallucis brevis muscle (medial head)
9 Lateral plantar artery and vein (deep branch)
10 Abductor hallucis muscle (tendon)
11 Fifth plantar digital artery, vein, and nerve
12 Metatarsals
13 Peroneus (fibularis) longus muscle (tendon)
14 Flexor hallucis brevis muscle (lateral head)
15 Cuboid
16 Flexor hallucis longus muscle (tendon)
17 Long plantar ligament
18 Medial plantar artery, vein, and nerve
19 Abductor digiti minimi muscle
20 Flexor digitorum longus muscle (tendon)
21 Calcaneus (calcaneal tuberosity)
22 Quadratus plantae muscle
23 Lateral plantar artery, vein, and nerve
24 Abductor hallucis muscle

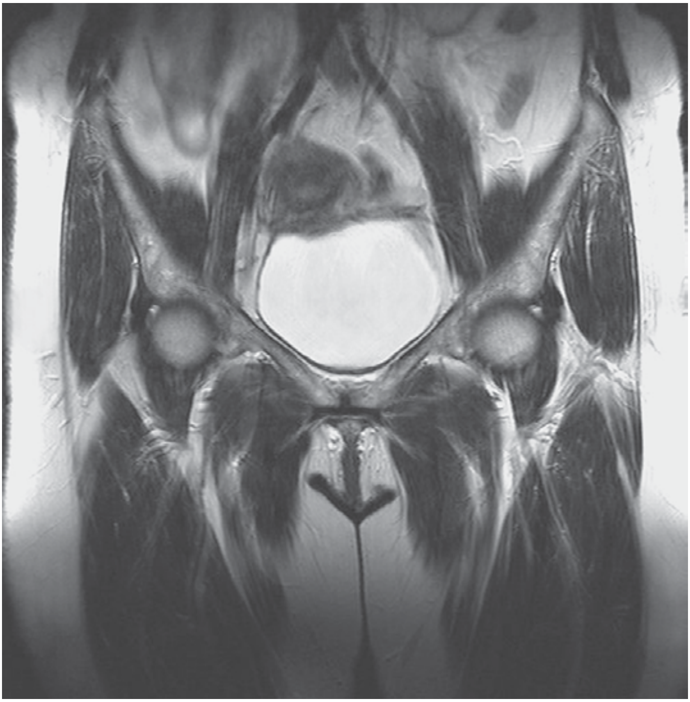


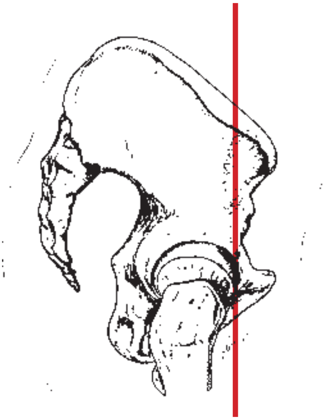



Anterior
Lateral
Medial
Posterior

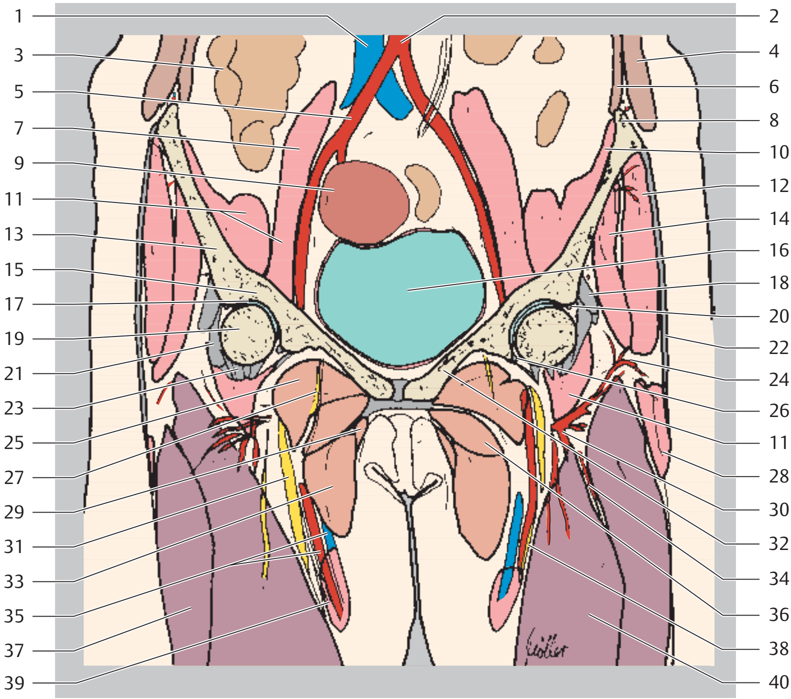


1	Flexores digitorum muscles (tendons)	11	Proximal phalanx V
2	Flexor hallucis longus muscle (tendon)	12	Flexor digitorum longus muscle (tendons)
3	Distal phalanx V	13	Metatarsal bones (heads)
4	Sesamoid bones	14	Lumbrical muscles
5	Fifth distal interphalangeal joint (DIP)	15	Dorsal and plantar interossei muscles
6	Adductor hallucis muscle (transverse head)	16	Medial plantar artery, vein, and nerve (deep branch)
7	Medial phalanx V	17	Metatarsal V
8	Adductor hallucis muscle (oblique head)	18	Flexor digitorum brevis muscle
9	Fifth proximal interphalangeal joint (PIP)	19	Flexor digiti minimi brevis muscle
10	Flexor hallucis brevis muscle	20	Lateral plantar artery and vein
		21	Abductor digiti minimi muscle
		22	Plantar aponeurosis
		23	Calcaneus (calcaneal tuberosity)

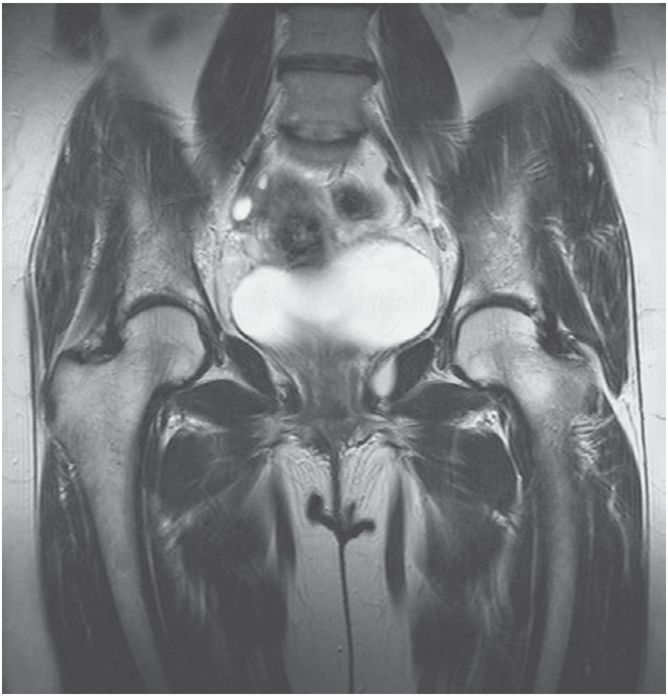


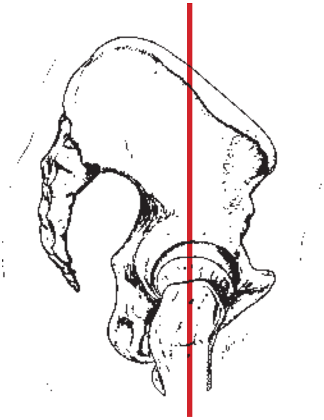


1 Inferior vena cava
2 Aorta (bifurcation)
3 Small intestine
4 Internal oblique muscle of abdomen
5 (Right) common iliac artery
6 Transversus abdominis muscle

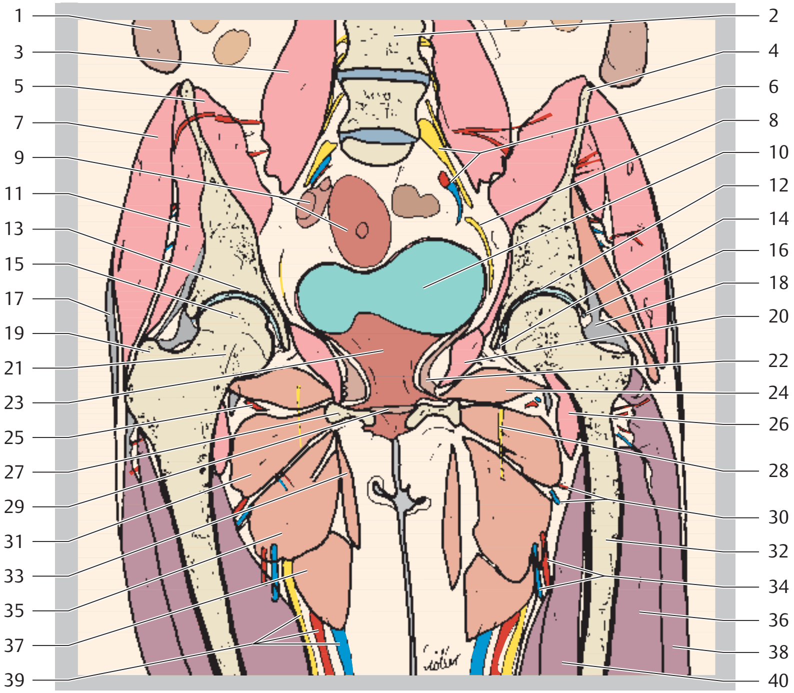


7 Psoas muscle
8 Anterior superior iliac spine
9 Uterus
10 Iliac muscle
11 Iliopsoas muscle
12 Gluteus medius muscle
13 Ilium
14 Gluteus minimus muscle
15 Roof of acetabulum
16 Urinary bladder
17 Hip joint
18 Rectus femoris muscle (tendon)
19 Head of femur
20 Superior glenoid labrum
21 Iliofemoral ligament (transverse part)
22 Iliotibial tract
23 Iliofemoral ligament (descending part)
24 Lateral circumflex femoral artery (ascending branch)
25 Pectineus muscle
26 Inferior glenoid labrum
27 Obturator nerve
28 Tensor fasciae latae muscle
29 Gracilis muscle
30 Deep artery of thigh
31 Femoral nerve
32 Pubis
33 Adductor longus muscle
34 Lateral circumflex femoral artery (descending branch)
35 (Superficial) Femoral artery and vein
36 Adductor brevis muscle
37 Vastus lateralis muscle
38 Saphenous nerve
39 Sartorius muscle
40 Vastus intermedius muscle

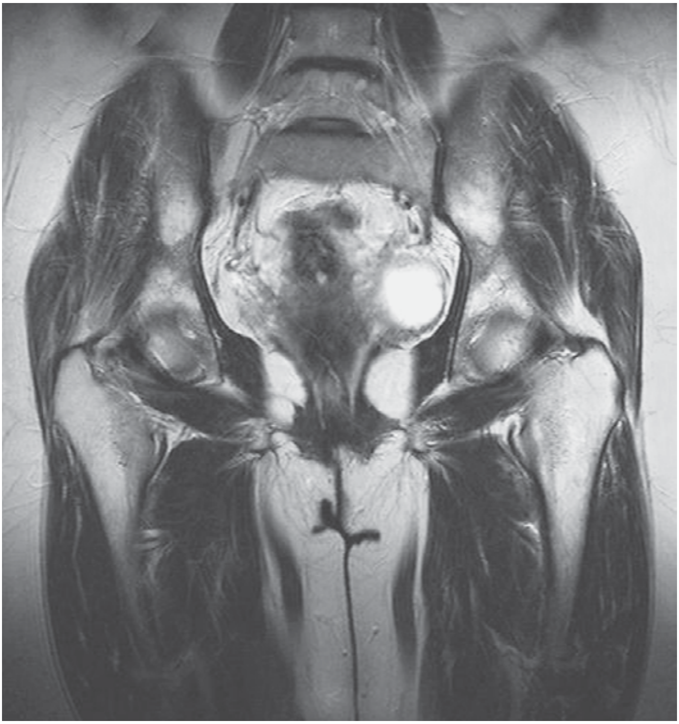


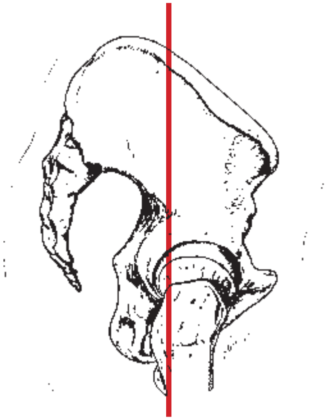


1 External oblique and internal oblique muscles of abdomen
2 Fourth lumbar vertebra
3 Psoas muscle
4 Anterior superior iliac spine
5 Iliacus muscle

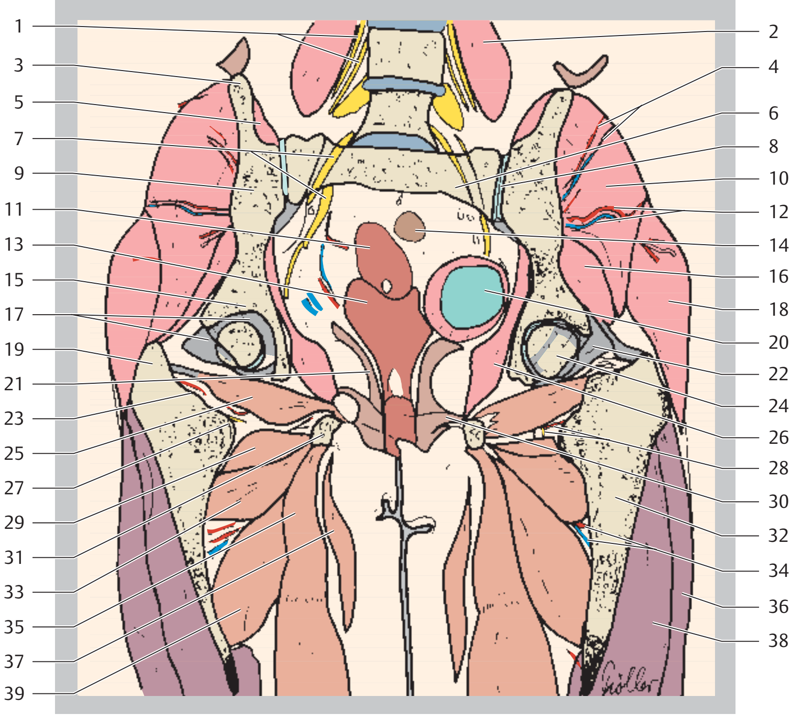


6 Sacral plexus and (left) internal iliac artery and vein
7 Gluteus medius muscle
8 Obturator nerve
9 Ovary and uterus
10 Urinary bladder
11 Gluteus minimus muscle
12 Hip joint
13 Roof of acetabulum
14 Inferior glenoid labrum
15 Head of femur
16 Superior glenoid labrum
17 Iliotibial tract
18 Iliofemoral ligament
19 Greater trochanter
20 Obturator internus muscle
21 Femur (neck)
22 Levator ani muscle
23 Vagina
24 Obturator externus muscle
25 Medial circumflex femoral artery
26 Iliopsoas muscle
27 Pubis
28 Obturator nerve
29 Deep transverse perineal muscle
30 Lateral circumflex femoral artery and vein (descending branch) and femoral nerve (anterior cutaneous branch)
31 Pectineus muscle
32 Femur (shaft)
33 Gracilis muscle
34 Deep artery and vein of thigh
35 Adductor brevis muscle
36 Vastus intermedius muscle
37 Adductor longus muscle
38 Vastus lateralis muscle
39 (Superficial) Femoral artery, vein, and saphenous nerve
40 Vastus medialis muscle

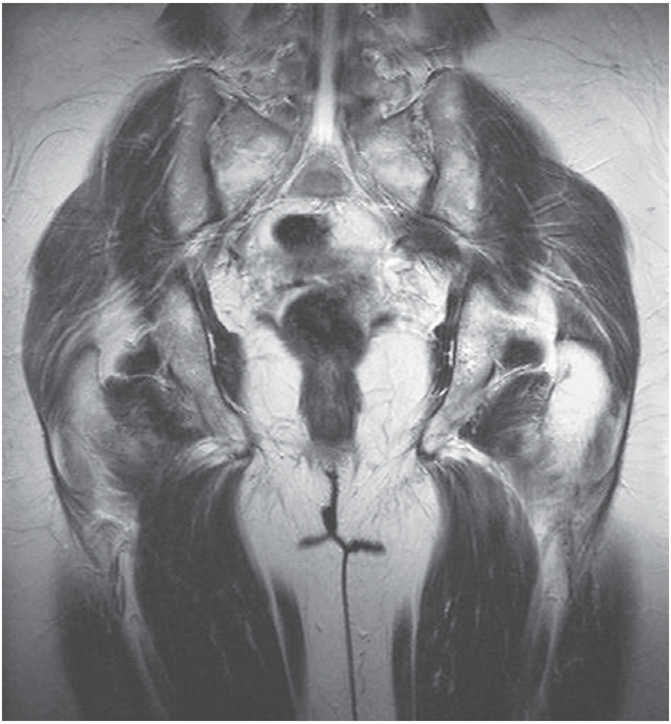


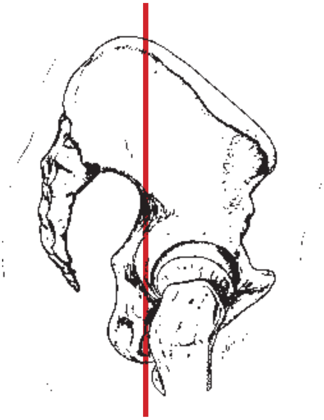


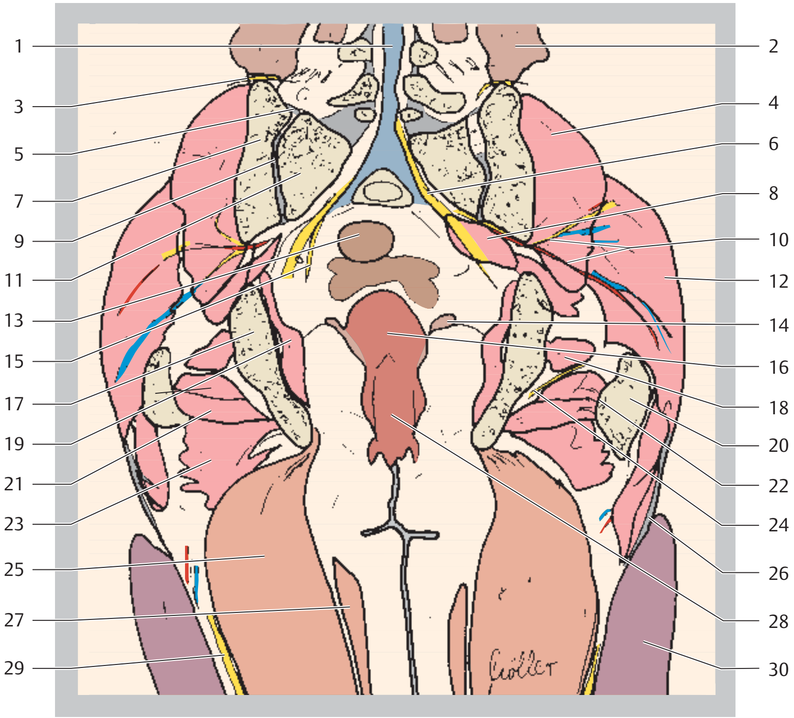
1 Lumbar plexus
2 Psoas muscle
3 Iliac crest
4 Superior gluteal artery and vein
5 Iliacus muscle



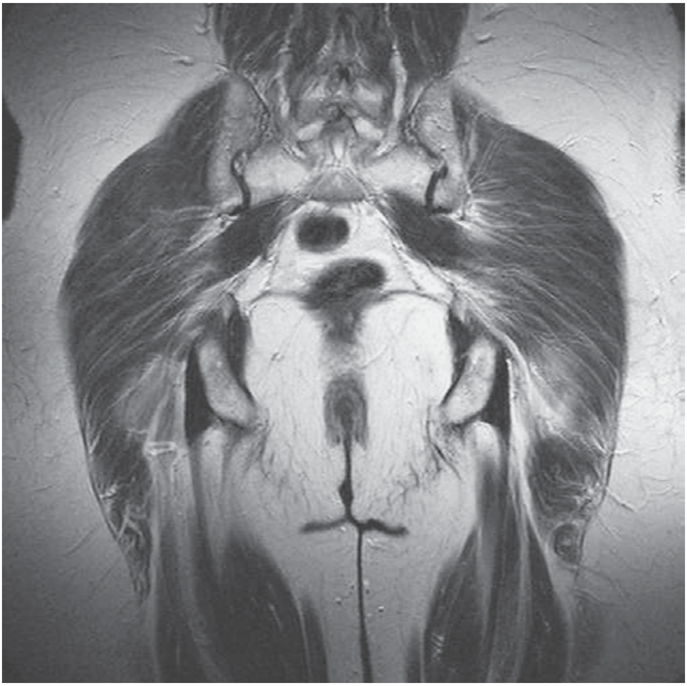
6 Sacrum
7 Sacral plexus
8 Sacroiliac joint
9 Ilium
10 Gluteus medius muscle
11 Uterus
12 Inferior gluteal artery and vein
13 Vagina
14 Sigmoid colon
15 Roof of acetabulum
16 Gluteus minimus muscle
17 Zona orbicularis
18 Gluteus maximus muscle
19 Greater trochanter
20 Urinary bladder
21 Levator ani muscle
22 Ischiofemoral ligament
23 Intertrochanteric crest
24 Head of femur
25 Obturator externus muscle
26 Obturator internus muscle
27 Lesser trochanter
28 Medial circumflex femoral artery and vein
29 Adductor minimus muscle
30 Transversus perinei profundus muscle
31 Pubis (inferior ramus)
32 Femur (shaft)
33 Adductor brevis muscle
34 Deep femoral artery and vein
35 Adductor magnus muscle
36 Vastus lateralis muscle
37 Gracilis muscle
38 Vastus intermedius muscle
39 Adductor brevis muscle

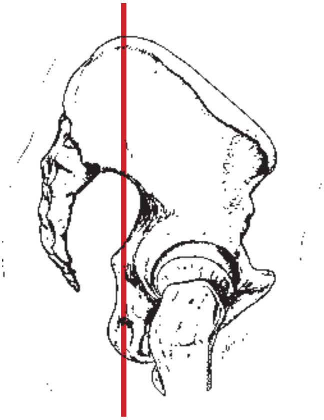


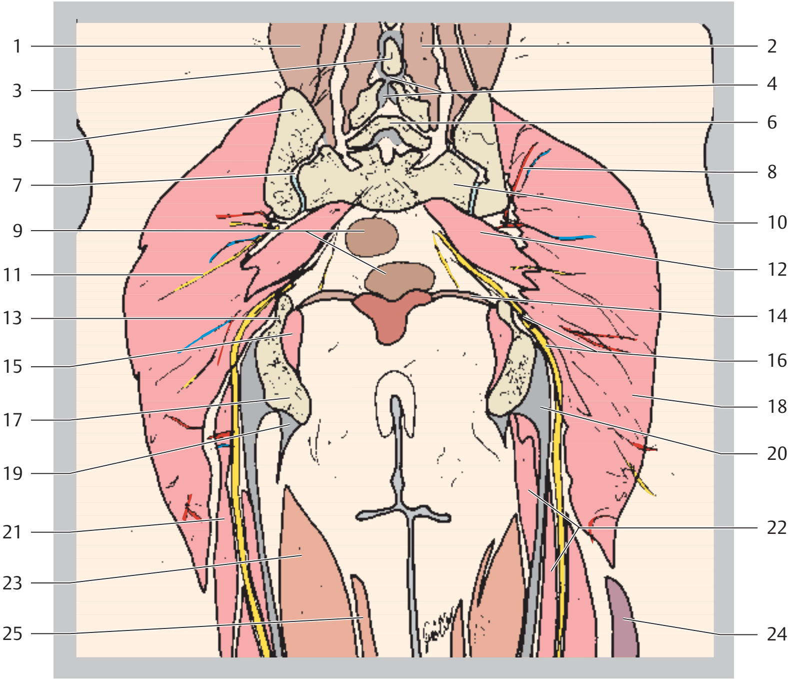




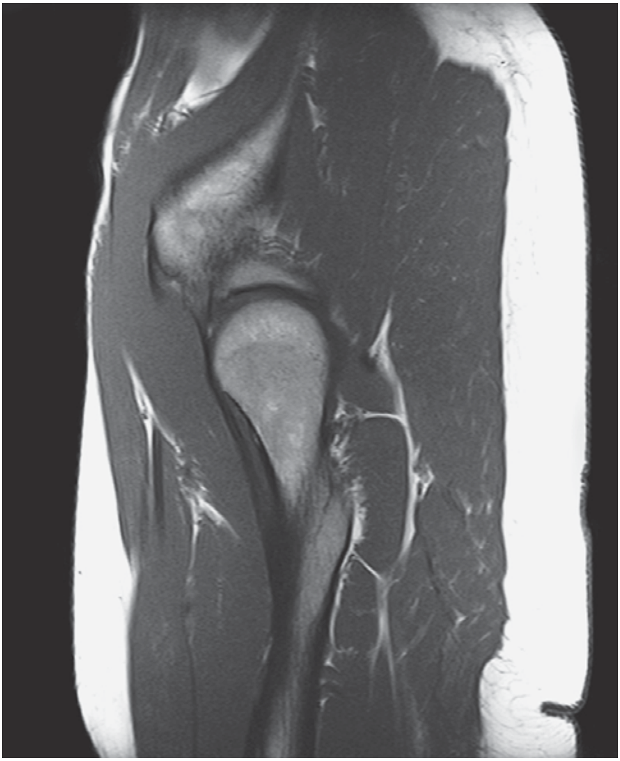
1 Spinal canal
2 External oblique and internal oblique muscles of abdomen
3 Superior clunial nerves
4 Gluteus medius muscle
5 Sacroiliac ligament
6 Sciatic nerve
7 Ilium
8 Piriformis muscle
9 Sacroiliac joint
10 Inferior gluteal artery, vein, and nerve
11 Sacrum (lateral mass)
12 Gluteus maximus muscle
13 Sigmoid colon
14 Levator ani muscle
15 Pudendal nerve
16 Uterus
17 Ischium
18 Gemellus superior muscle
19 Obturator internus muscle
20 Greater trochanter
21 Gemellus interior muscle
22 Intertrochanteric crest
23 Quadratus femoris muscle
24 Muscular nerve
25 Adductor magnus muscle
26 Iliotibial tract
27 Gracilis muscle
28 Vagina
29 Sciatic nerve
30 Vastus lateralis muscle

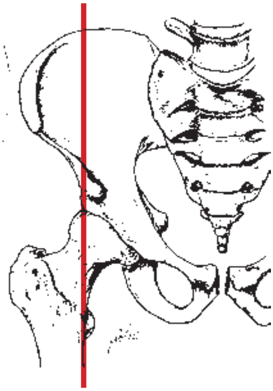






1 Iliocostalis lumborum muscle
2 Multifidus muscle
3 Spinous process
4 Interspinal ligament
5 Ilium
6 Vertebral arch
7 Sacroiliac joint
8 Superior gluteal artery, vein, and nerve
9 Rectum
10 Sacrum (lateral mass)
11 Inferior gluteal artery, vein, and nerve
12 Piriformis muscle
13 Ischial spine
14 Levator ani muscle
15 Obturator internus muscle
16 Sciatic nerve
17 Ischial tuberosity
18 Gluteus maximus muscle
19 Adductor magnus muscle (attachment)
20 Semitendinosus and biceps femoris muscles (common tendon attachment)
21 Biceps femoris muscle (long head)
22 Semitendinosus muscle
23 Adductor magnus muscle
24 Vastus lateralis muscle
25 Gracilis muscle

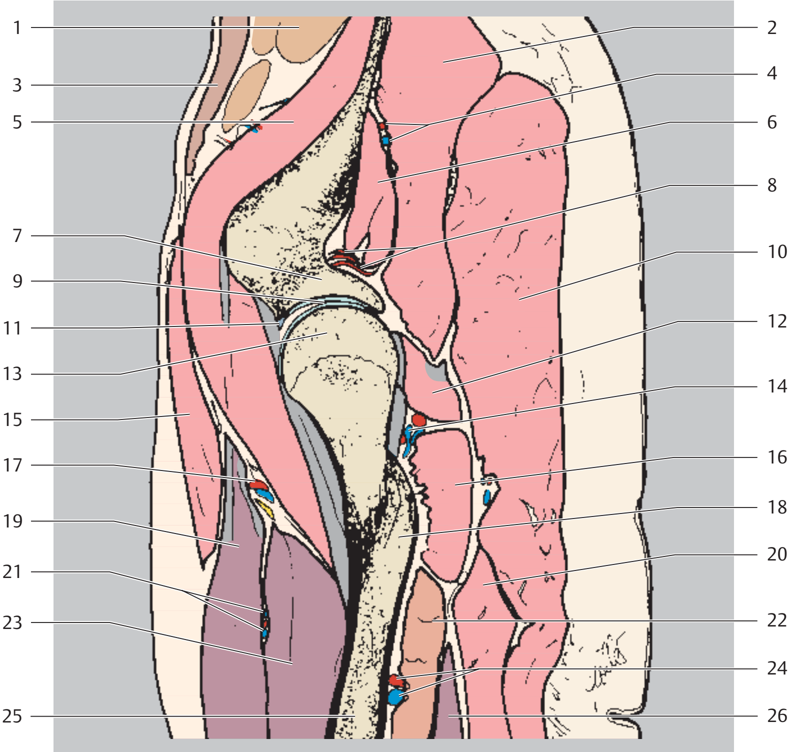




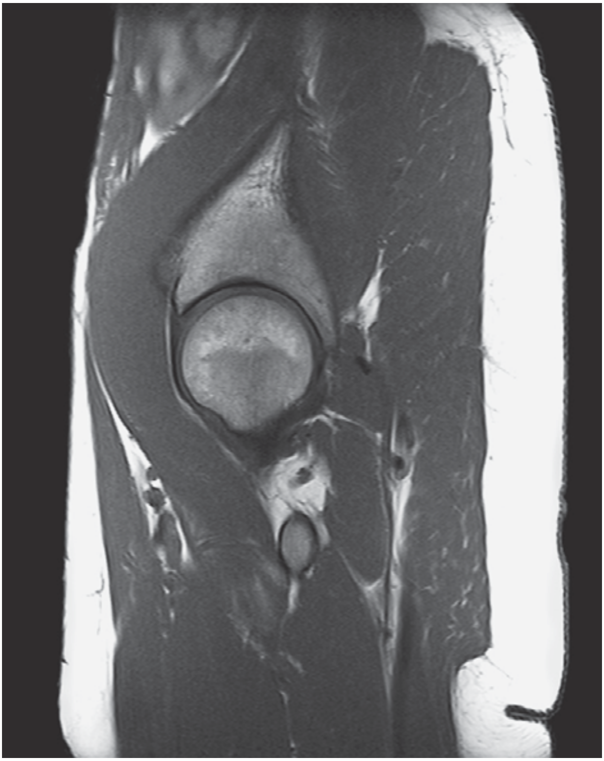
Proximal

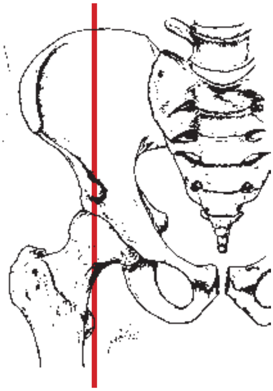
Ventral ☐ Dorsal

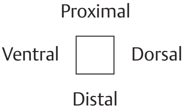
Distal

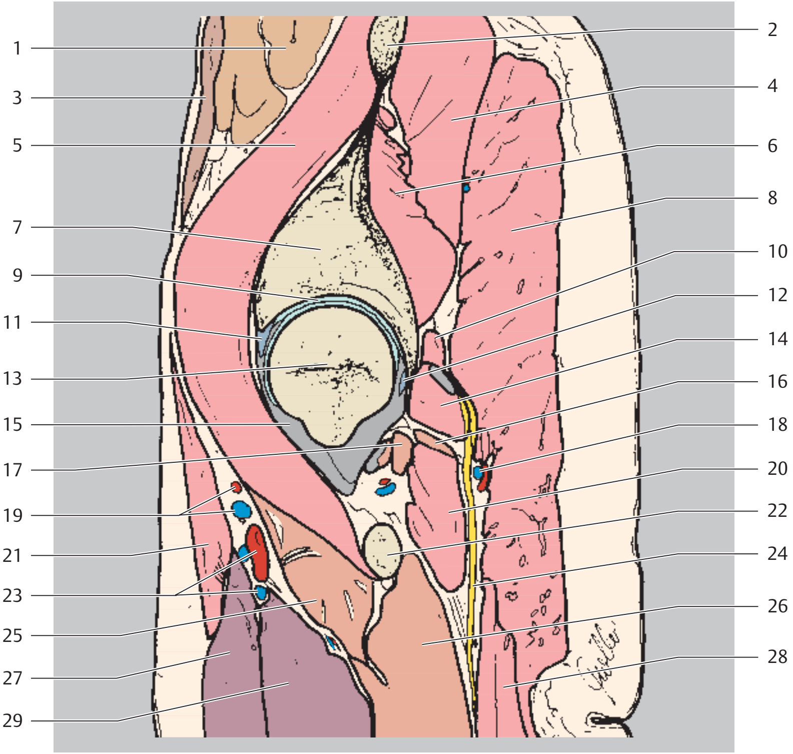


1	Small intestine	14	Medial circumflex femoral artery
2	Gluteus medius muscle	15	Sartorius muscle
3	Rectus abdominis muscle	16	Quadratus femoris muscle
4	Superior gluteal artery and vein	17	Lateral circumflex femoral artery (ascending branch)
5	Iliopsoas muscle	18	Lesser trochanter
6	Gluteus minimus muscle	19	Rectus femoris muscle
7	Ilium (roof of acetabulum)	20	Biceps femoris muscle (long head)
8	Superficial circumflex iliac artery	21	Lateral circumflex femoral artery (descending branch)
9	Hip joint	22	Adductor magnus muscle
10	Gluteus maximus muscle	23	Vastus intermedius muscle
11	Superior glenoid labrum	24	Perforating artery
12	Obturator internus muscle and gemellus muscles	25	Femur (shaft)
13	Femur (head)	26	Vastus lateralis muscle

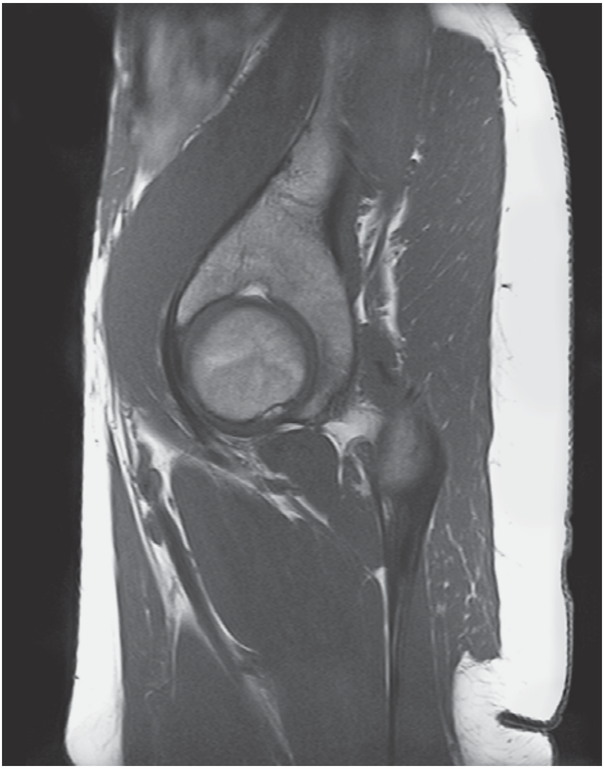


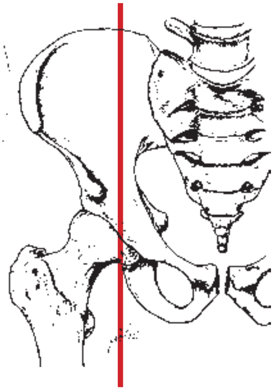


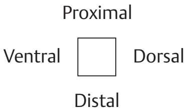

Proximal
Ventral
Dorsal
Distal



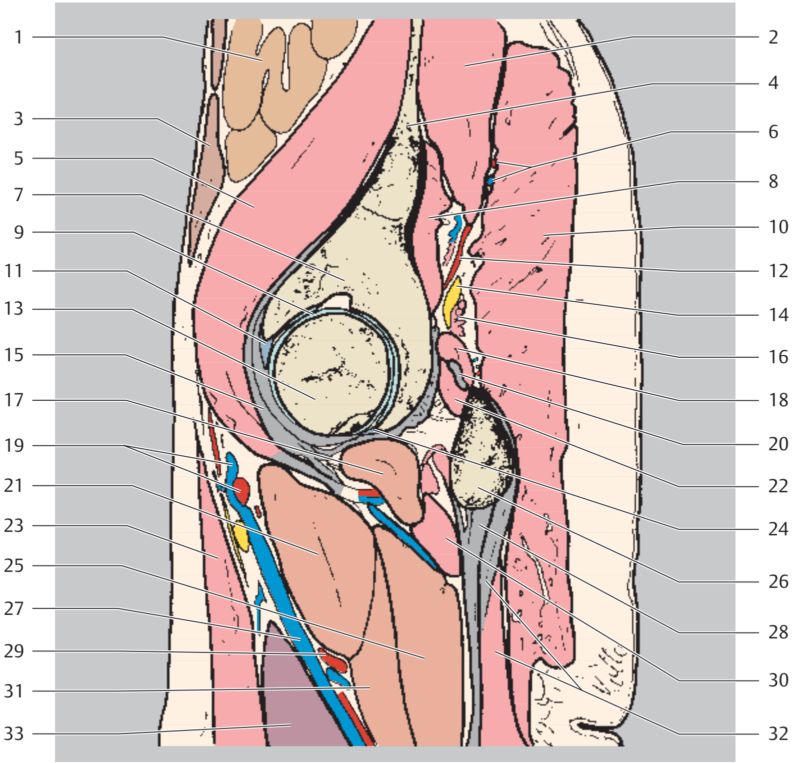
1 Small intestine
2 Ilium
3 Rectus abdominis muscle
4 Gluteus medius muscle
5 Iliopsoas muscle
6 Gluteus minimus muscle
7 Ilium (roof of acetabulum)
8 Gluteus maximus muscle
9 Hip joint
10 Piriformis muscle
11 Superior glenoid labrum
12 Inferior glenoid labrum
13 Femur (head)
14 Obturator internus muscle and gemellus muscles
15 Joint capsule
16 Adductor minimus muscle
17 Obturator externus muscle
18 Inferior gluteal artery and vein
19 Lateral circumflex femoral artery (ascending branch)
20 Quadratus femoris muscle
21 Sartorius muscle
22 Lesser trochanter
23 Lateral circumflex femoral artery (descending branch)
24 Sciatic nerve
25 Pectineus muscle
26 Adductor magnus muscle
27 Rectus femoris muscle
28 Biceps femoris muscle
29 Vastus medialis muscle



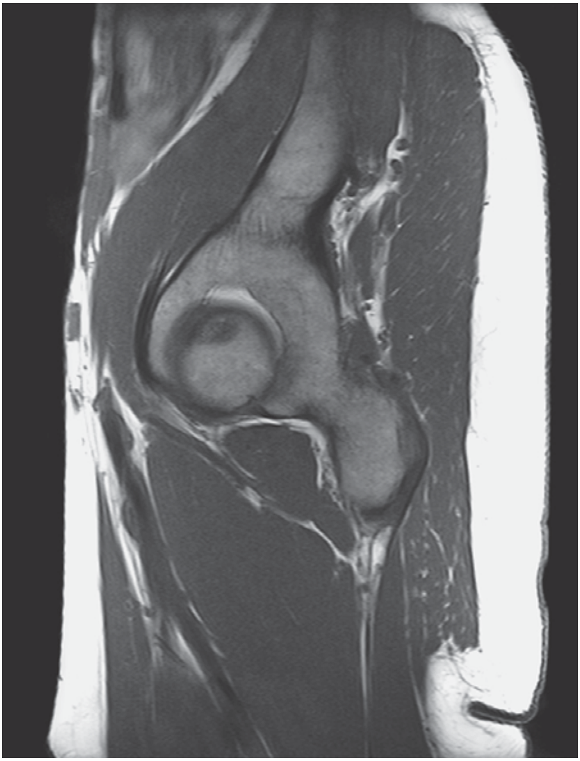


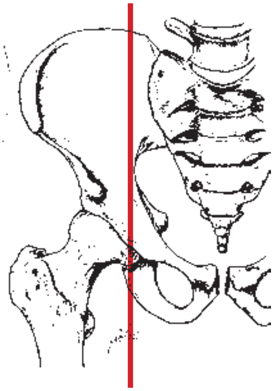

Proximal
Ventral
Dorsal
Distal

1 Small intestine
2 Gluteus medius muscle
3 Rectus abdominis muscle
4 Ilium



5 Iliopsoas muscle
6 Superior gluteal artery, vein, and nerve
7 Ilium (roof of acetabulum)
8 Gluteus minimus muscle
9 Hip joint
10 Gluteus maximus muscle
11 Superior glenoid labrum
12 Superior gluteal artery and vein, inferior gluteal nerve
13 Femur (head)
14 Sciatic nerve
15 Joint capsule
16 Piriformis
17 Obturator externus
18 Obturator internus and gemellus muscles
19 Lateral circumflex femoris artery (ascending branch)
20 Obturator internus muscle (tendon)
21 Pectineus muscle
22 Gemellus inferior muscle
23 Sartorius muscle
24 Inferior glenoid labrum
25 Adductor magnus muscle
26 Ischium
27 Deep artery and vein of thigh
28 Semimembranosus and semitendinosus muscles (tendon attachment)
29 Perforating arteries
30 Quadratus femoris muscle
31 Adductor brevis muscle
32 Biceps femoris muscle (+ tendon)
33 Vastus medialis muscle

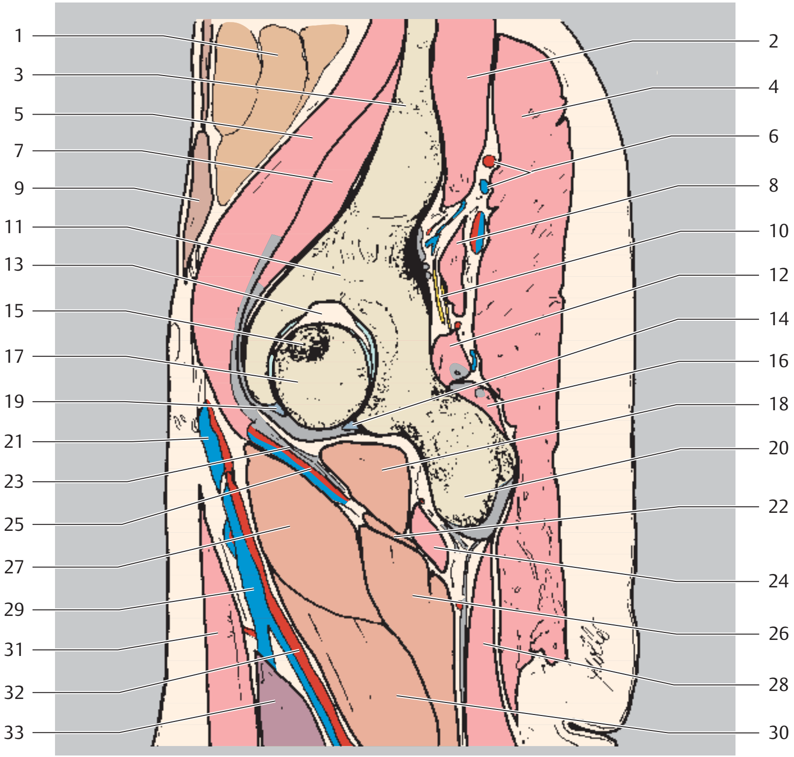




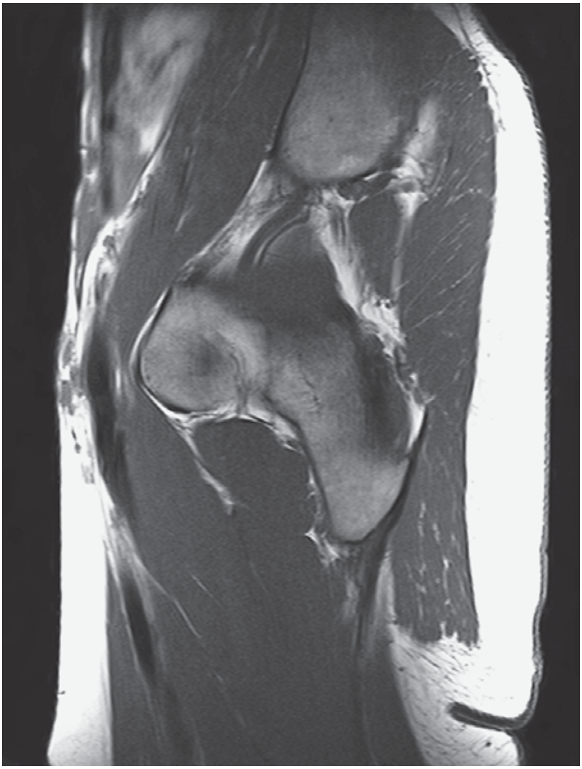
Proximal

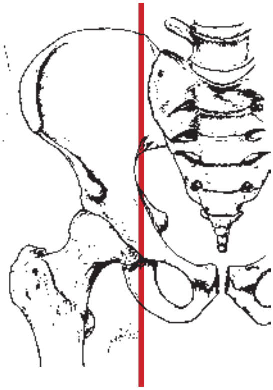
Ventral Dorsal

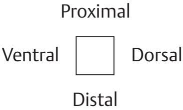
Distal

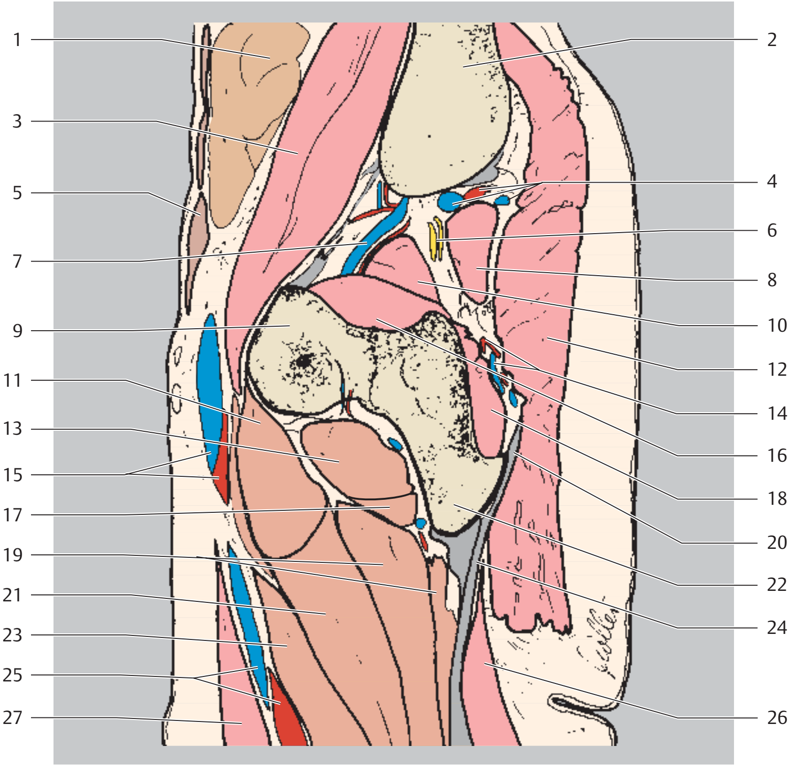


1 Small intestine
2 Gluteus medius muscle
3 Ilium
4 Gluteus maximus muscle
5 Psoas muscle
6 Superior gluteal artery, vein, and nerve
7 Iliacus muscle
8 Piriformis muscle
9 Rectus abdominis muscle
10 Sciatic nerve
11 Ilium (roof of acetabulum)
12 Gemellus superior muscle
13 Acetabular fossa
14 Inferior glenoid labrum
15 Fovea
16 Gemellus inferior muscle
17 Femur (head)
18 Obturator externus muscle
19 Superior glenoid labrum
20 Ischium
21 Lateral circumflex femoral artery and vein
22 Adductor minimus muscle
23 Ischiofemoral ligament
24 Quadratus femoris muscle
25 Lateral circumflex femoral artery
26 Adductor magnus muscle
27 Pectineus muscle
28 Biceps femoris muscle
29 (Superficial) Femoral artery and vein
30 Adductor brevis muscle
31 Sartorius muscle
32 Deep artery and vein of thigh
33 Vastus medialis muscle

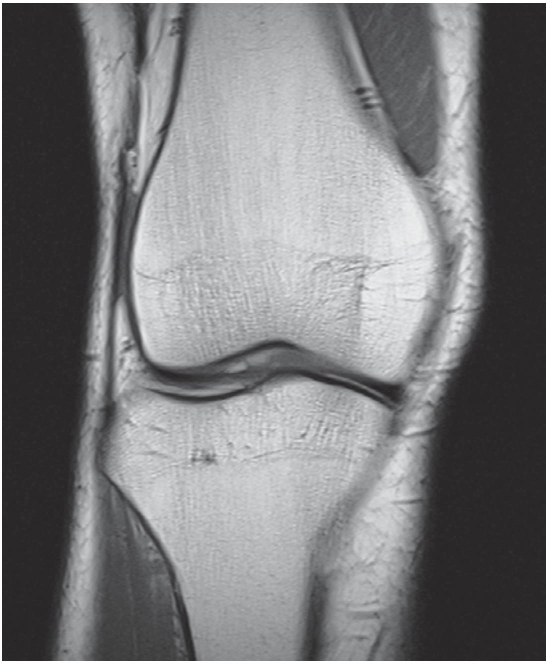


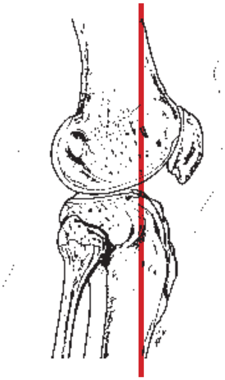



Proximal
Ventral
Dorsal
Distal



1 Small intestine
2 Ilium
3 Iliopsoas muscle
4 Superior gluteal artery, vein, and nerve
5 Rectus abdominis muscle
6 Sciatic nerve
7 Internal iliac artery and vein
8 Piriformis muscle
9 Ilium (joint socket)
10 Gemellus superior muscle
11 Pectineus muscle
12 Gluteus maximus muscle
13 Obturator externus muscle
14 Inferior gluteal artery and nerve
15 Femoral artery and vein
16 Obturator internus muscle
17 Adductor minimus muscle
18 Gemellus inferior muscle
19 Adductor magnus muscle
20 Sacrotuberous ligament
21 Adductor brevis muscle
22 Ischial tuberosity
23 Adductor longus muscle
24 Biceps femoris muscle (common tendon)
25 (Superficial) Femoral artery and vein
26 Biceps femoris muscle
27 Sartorius muscle

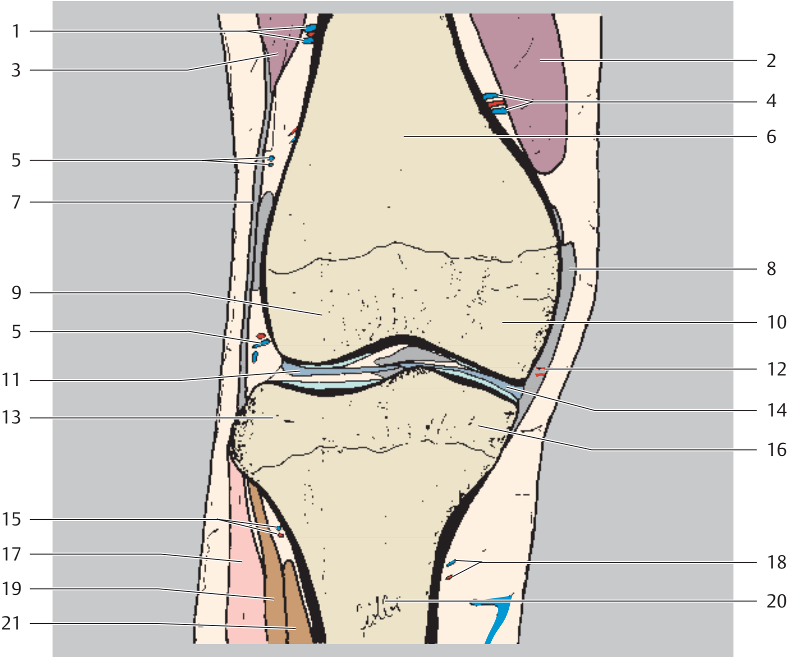




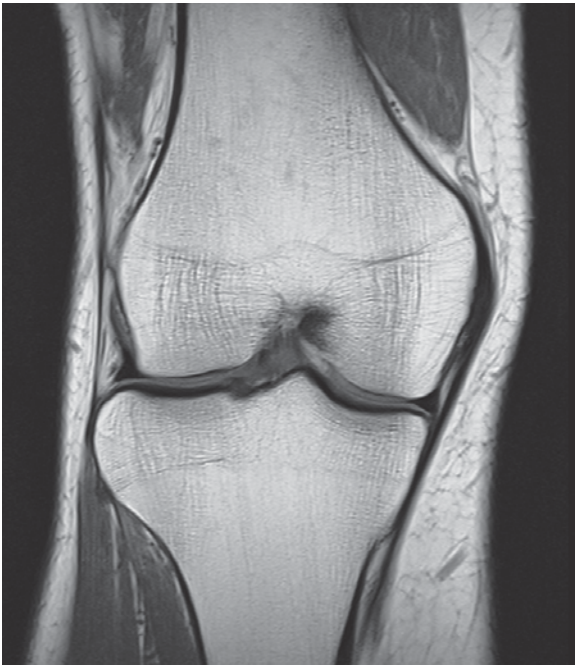
Proximal

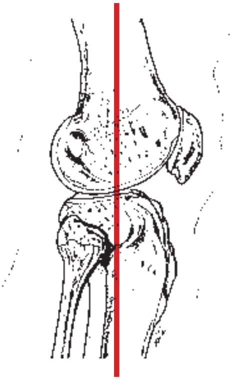
Lateral ☐ Medial

Distal



1 Superior lateral genicular artery
2 Vastus medialis muscle
3 Vastus lateralis muscle
4 Superior medial genicular artery
5 Genicular anastomosis
6 Femur (shaft)
7 Iliotibial tract
8 Medial collateral ligament
9 Lateral femoral condyle
10 Medial femoral condyle
11 Lateral meniscus (anterior horn)
12 Descending genicular vein (articular branches)
13 Lateral tibial condyle
14 Medial meniscus (anterior horn)
15 Inferior lateral genicular artery
16 Medial tibial condyle
17 Peroneus (fibularis) longus muscle
18 Inferior medial genicular artery
19 Extensor digitorum longus muscle
20 Tibia (shaft)
21 Tibialis anterior muscle

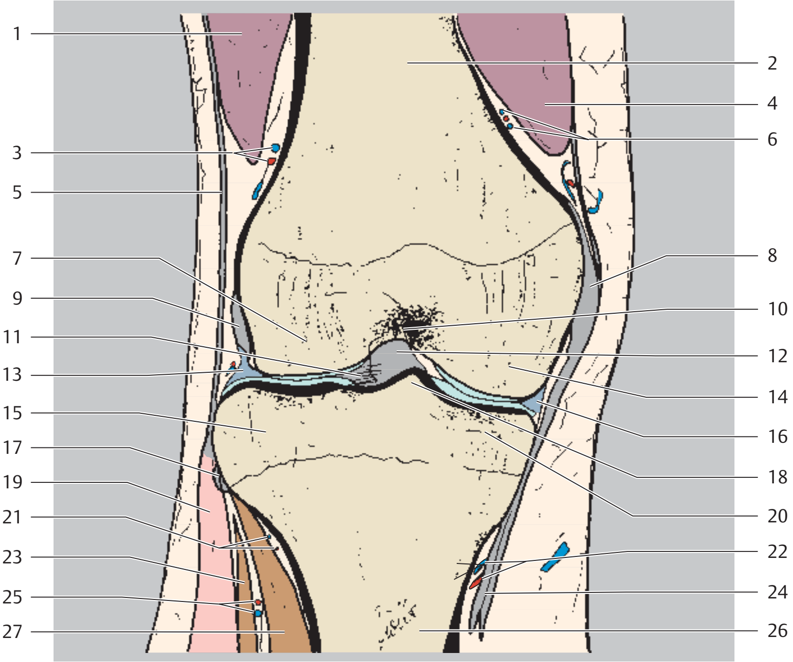




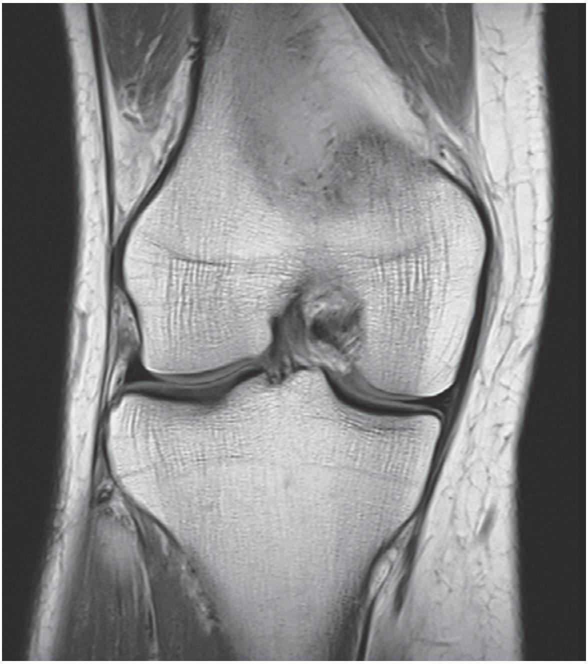
Proximal

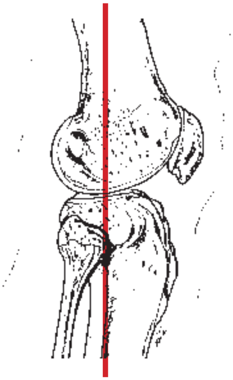
Lateral Medial

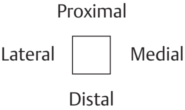
Distal

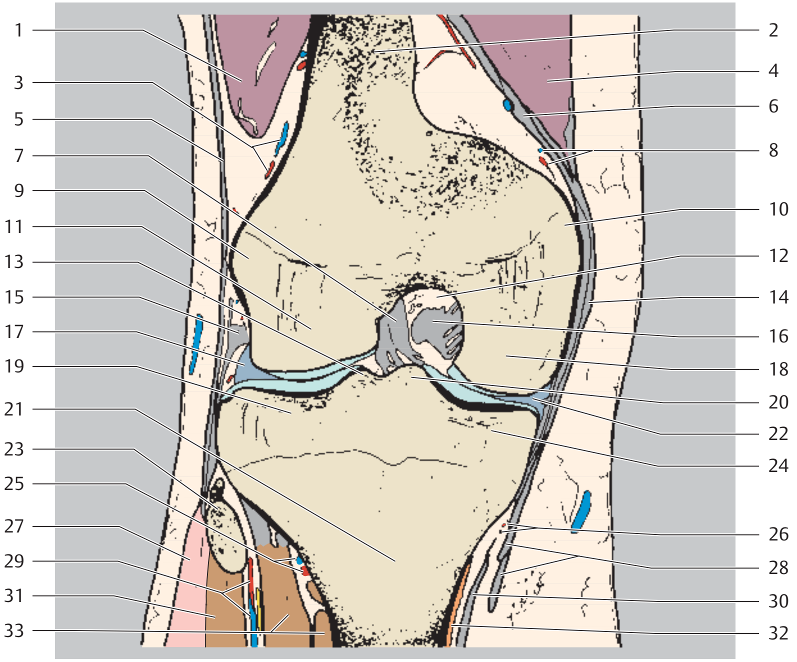


1 Vastus lateralis muscle
2 Femur (shaft)
3 Superior lateral genicular artery
4 Vastus medialis muscle
5 Iliotibial tract
6 Superior medial genicular artery
7 Lateral femoral condyle
8 Medial collateral ligament
9 Popliteus muscle (tendon)
10 Intercondylar fossa
11 Transverse ligament of knee
12 Anterior cruciate ligament
13 Lateral meniscus (intermediate portion)
14 Medial femoral condyle
15 Lateral tibial condyle
16 Medial meniscus (intermediate portion)
17 Anterior ligament of fibular head
18 Medial intercondylar tubercle
19 Peroneus (fibularis) longus muscle
20 Medial tibial condyle
21 Inferior lateral genicular artery
22 Inferior medial genicular artery
23 Extensor digitorum longus muscle
24 Pes anserinus (superficial)
25 Anterior tibial recurrent artery and vein
26 Tibia (shaft)
27 Tibialis anterior muscle

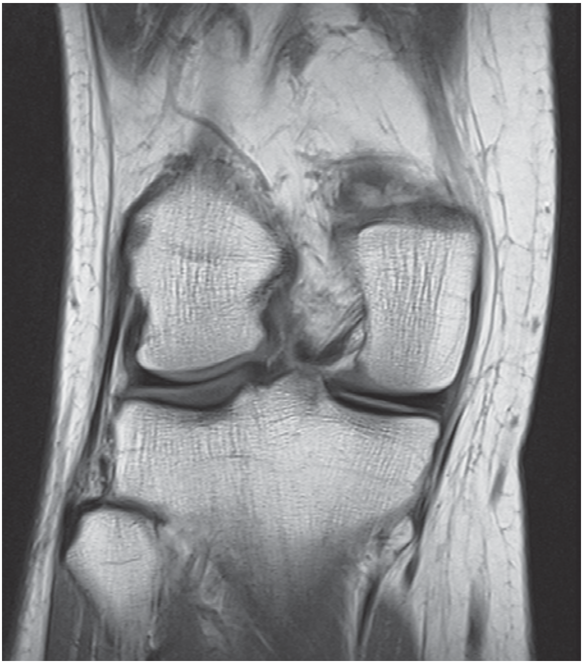


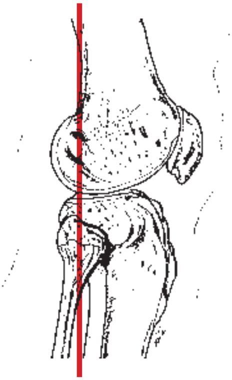


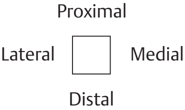

Proximal
Lateral
Medial
Distal

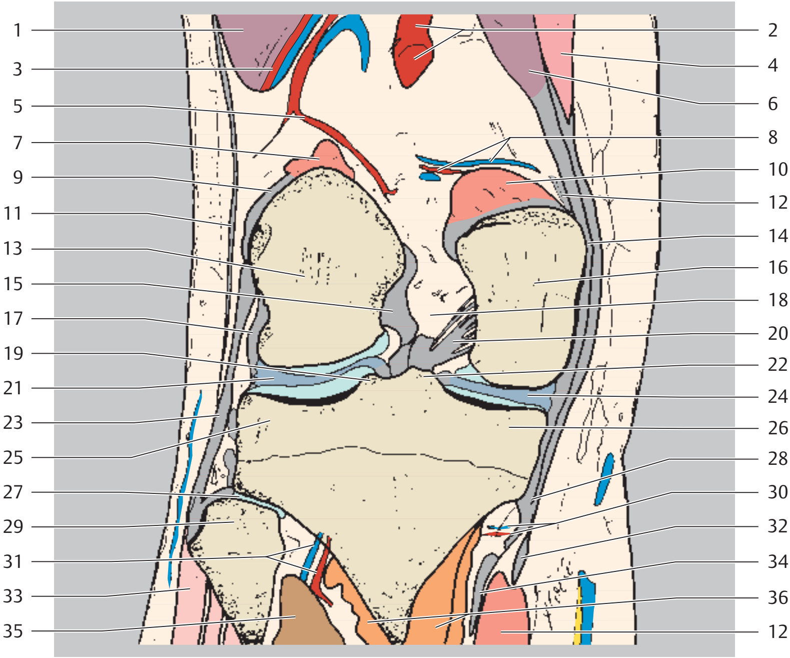


1	Vastus lateralis muscle
2	Femur (shaft)
3	Superior lateral genicular artery
4	Vastus medialis muscle
5	Iliotibial tract
6	Adductor magnus muscle (tendon)
7	Anterior cruciate ligament
8	Superior medial genicular artery
9	Lateral epicondyle
10	Medial epicondyle
11	Lateral femoral condyle
12	Intercondylar fossa
13	Lateral intercondylar tubercle
14	Medial collateral ligament
15	Popliteus muscle (tendon)
16	Posterior cruciate ligament
17	Lateral meniscus (intermediate portion)
18	Medial femoral condyle
19	Lateral tibial condyle
20	Medial intercondylar tubercle
21	Tibia (shaft)
22	Medial meniscus (intermediate portion)
23	Fibula (head)
24	Medial tibial condyle
25	Inferior lateral genicular artery
26	Inferior medial genicular artery
27	Peroneus (fibularis) longus muscle
28	Pes anserinus (superficial)
29	Anterior tibial recurrent artery and vein
30	Semimembranosus muscle (tibial attachment, deep pes anserinus)
31	Extensor digitorum longus muscle
32	Popliteus muscle (tibial attachment)
33	Tibialis anterior muscle

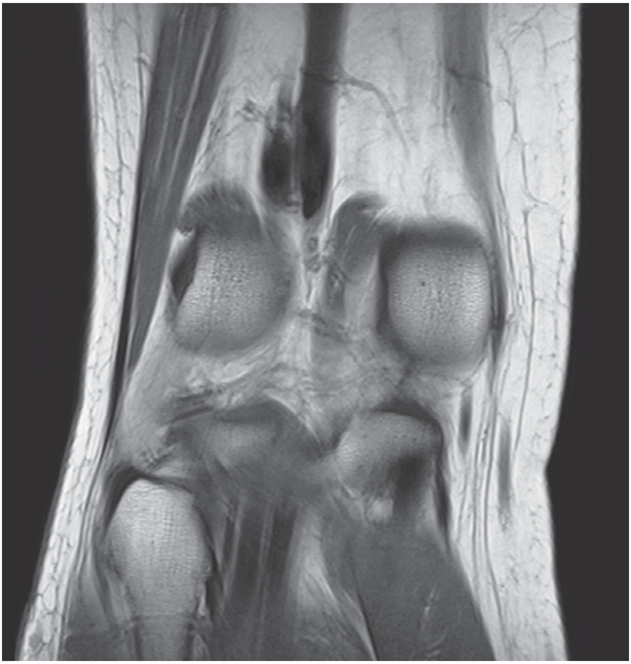


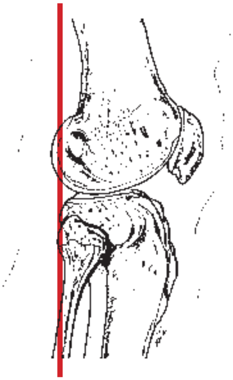


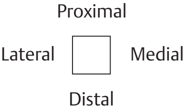

Proximal
Lateral
Medial
Distal

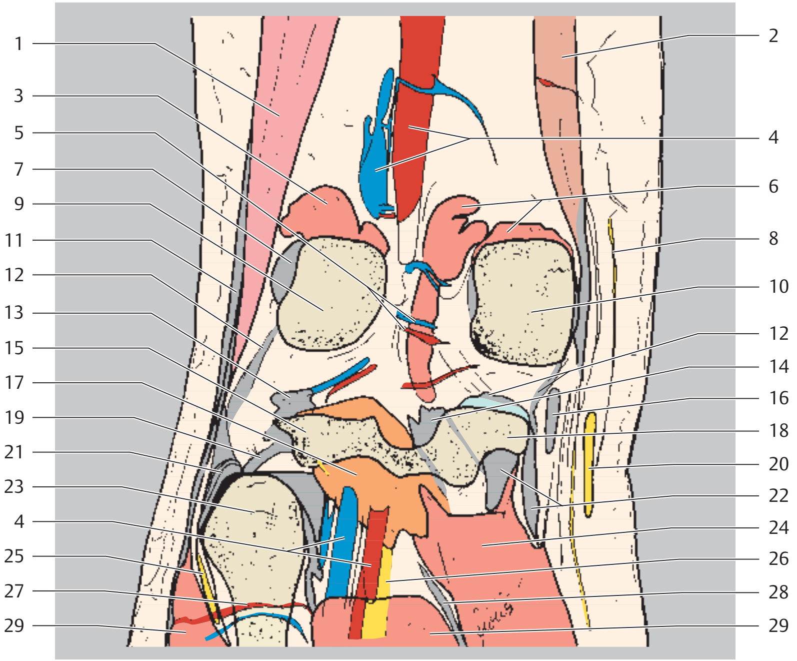


1	Vastus lateralis muscle	17	Popliteus muscle (tendon)
2	Popliteal artery	18	Intercondylar fossa
3	Superior lateral genicular artery	19	Lateral intercondylar tubercle
4	Sartorius muscle	20	Posterior cruciate ligament
5	Medial genicular artery	21	Lateral meniscus (posterior horn)
6	Vastus medialis muscle	22	Medial intercondylar tubercle
7	Gastrocnemius muscle (lateral head, femoral attachment)	23	Fibular collateral ligament
8	Superior medial genicular artery	24	Medial meniscus (posterior horn)
9	Plantaris muscle (tendon)	25	Lateral tibial condyle
10	Gastrocnemius muscle (medial head)	26	Medial tibial condyle
11	Iliotibial tract	27	Tibiofibular joint
12	Adductor magnus muscle (tendon attachment)	28	Pes anserinus (superficial)
13	Lateral femoral condyle	29	Fibula (head)
14	Medial collateral ligament	30	Inferior medial genicular artery
15	Anterior cruciate ligament	31	Inferior lateral genicular artery
16	Medial femoral condyle	32	Semitendinosus muscle (tendon)
		33	Peroneus (fibularis) longus muscle
		34	Semimembranous muscle (tibial attachment, deep pes anserinus)
		35	Tibialis posterior muscle
		36	Popliteus muscle

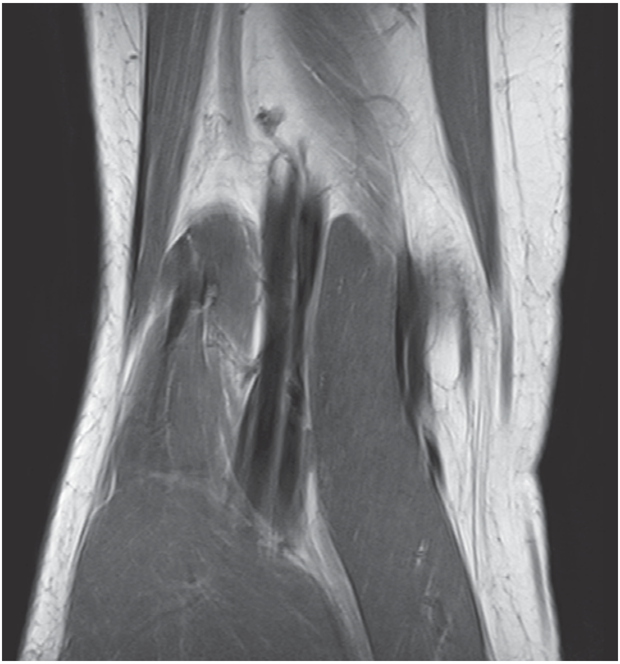


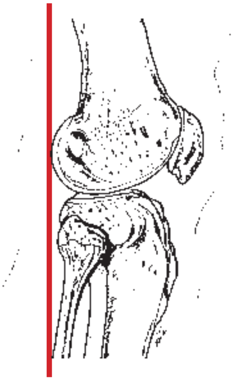


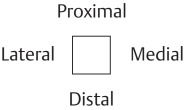

Proximal
Lateral
Medial
Distal

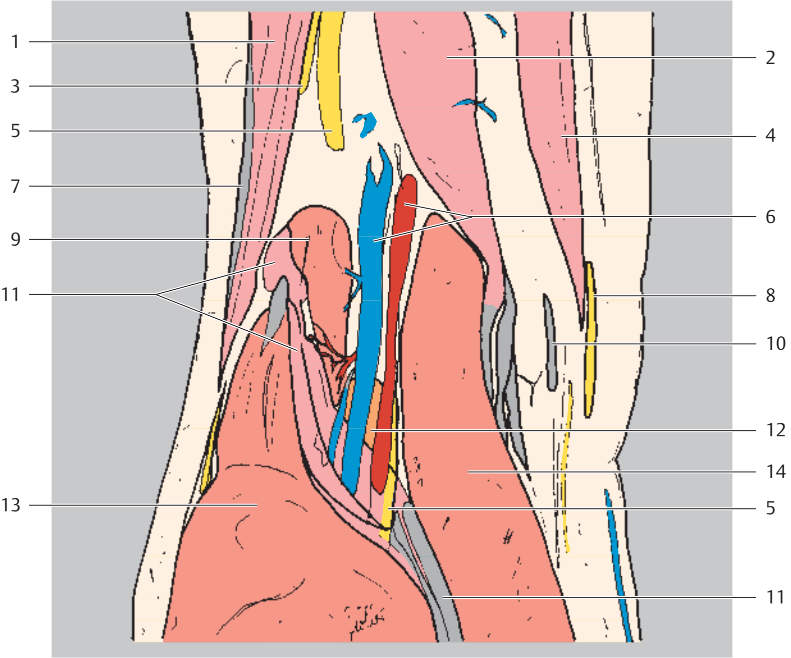


1 Biceps femoris muscle
2 Gracilis muscle
3 Gastrocnemius muscle (lateral head)
4 Popliteal artery and vein
5 Sural arteries and veins
6 Gastrocnemius muscle (medial head, femoral attachment)
7 Plantaris muscle
8 Saphenous nerve (branch)
9 Lateral femoral condyle
10 Medial femoral condyle
11 Iliotibial tract
12 Joint capsule
13 Arcuate popliteal ligament
14 Oblique popliteal ligament
15 Lateral tibial condyle
16 Semitendinosus muscle (tendon)
17 Posterior ligament of fibular head
18 Medial tibial condyle
19 Fibular collateral ligament
20 Saphenous nerve
21 Popliteus muscle (tendon)
22 Semimembranosus muscle (tibial attachment, deep pes anserinus)
23 Fibula (head)
24 Gastrocnemius muscle (medial head)
25 Common fibular (peroneal) nerve
26 Tibial nerve
27 Posterior tibial artery (circumflex fibular branch)
28 Plantaris muscle (tendon)
29 Soleus muscle

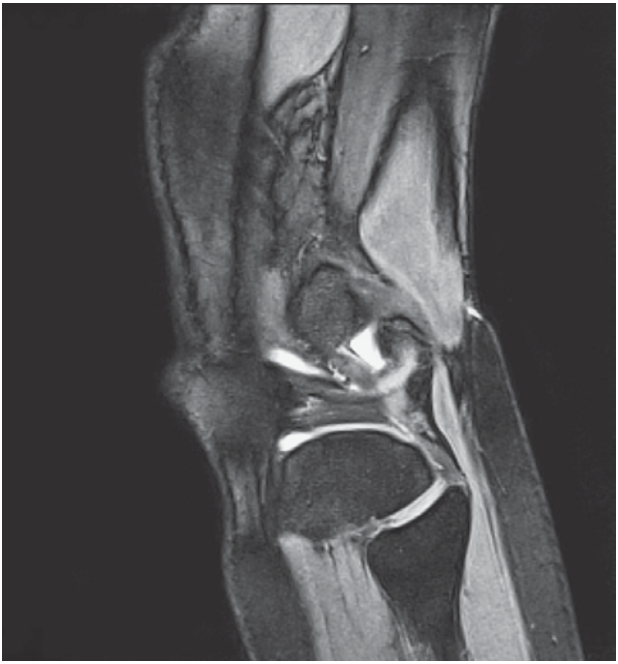


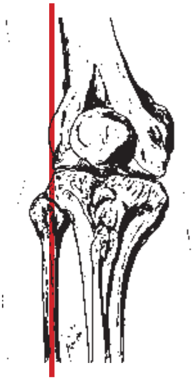


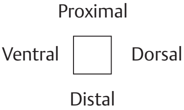

Proximal
Lateral
Medial
Distal

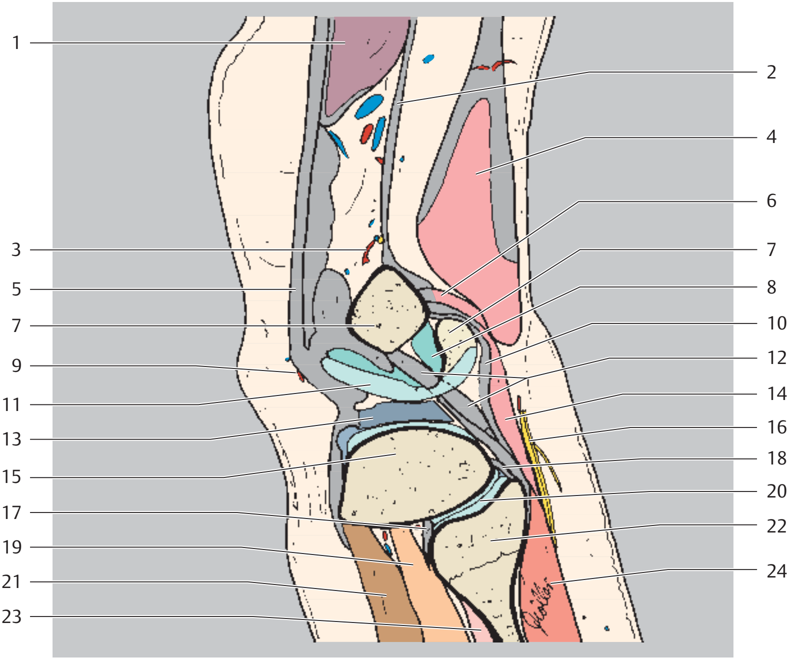


1	Biceps femoris muscle	8	Saphenous nerve
2	Semimembranosus muscle	9	Gastrocnemius muscle (lateral head)
3	Common fibular (peroneal) nerve	10	Semitendinosus muscle (tendon)
4	Gracilis muscle	11	Plantaris muscle (+ tendon)
5	Tibial nerve	12	Popliteus muscle
6	Popliteal artery and vein	13	Soleus muscle
7	Iliotibial tract	14	Gastrocnemius muscle (medial head)

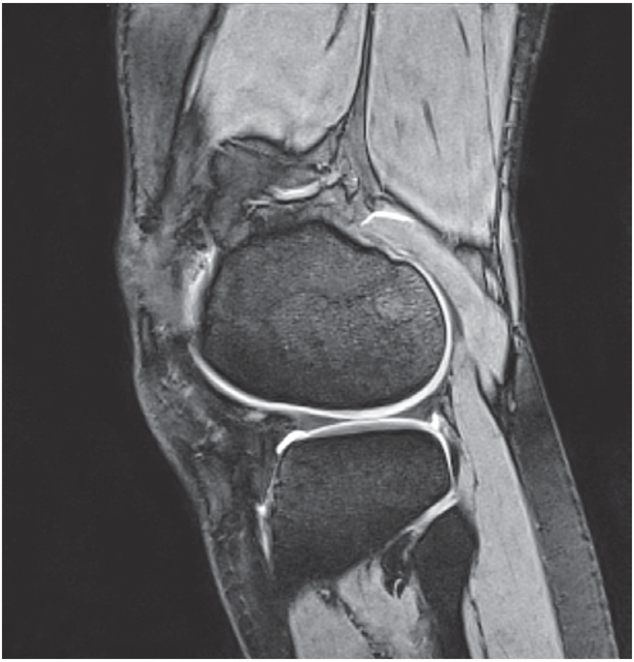


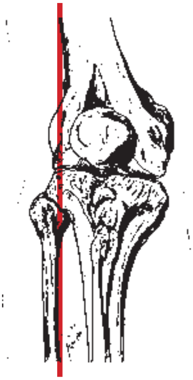



Proximal
Ventral
Dorsal
Distal



1	Vastus lateralis muscle	13	Lateral meniscus (intermediate portion)
2	Iliotibial tract	14	Plantaris muscle (+ tendon attachment)
3	Blood vessels to genicular anastomosis	15	Lateral tibial condyle
4	Biceps femoris muscle	16	Common fibular (peroneal) nerve
5	Lateral patellar retinaculum	17	Anterior ligament of fibular head
6	Gastrocnemius muscle (lateral head)	18	Posterior ligament of fibular head
7	Femur (lateral condyle)	19	Tibialis posterior muscle
8	Lateral joint recess	20	Tibiofibular joint
9	Inferior lateral genicular artery	21	Tibialis anterior muscle
10	Joint capsule	22	Fibula (head)
11	Femur (lateral condyle, joint cartilage)	23	Peroneus (fibularis) longus muscle
12	Popliteus muscle (tendon)	24	Soleus muscle

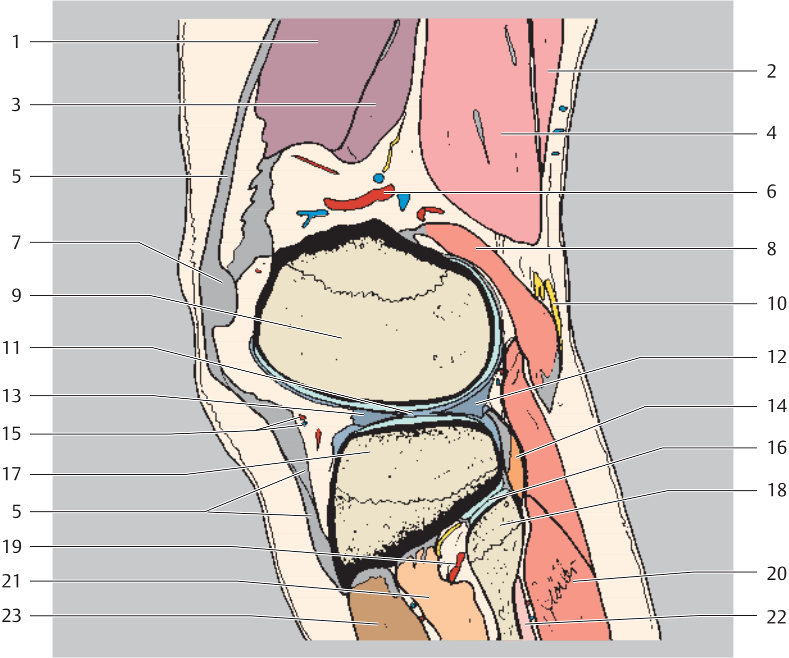




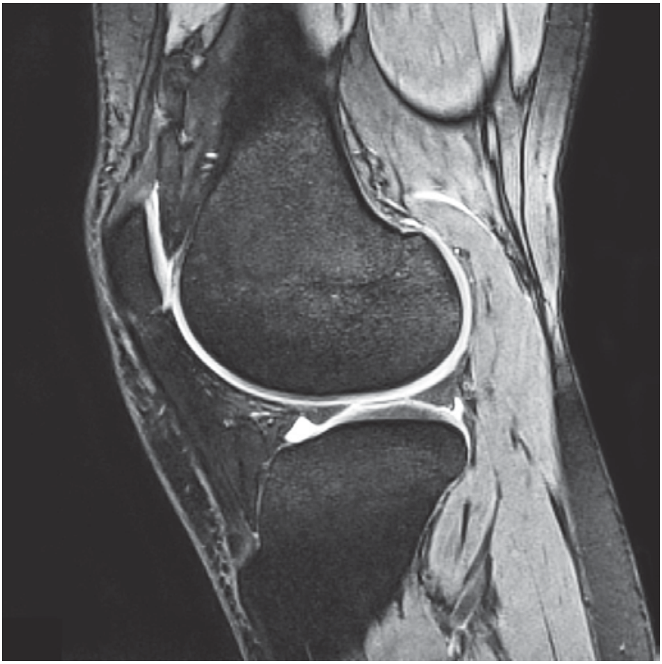
Proximal

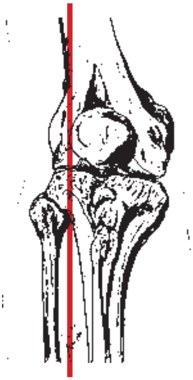
Ventral ☐ Dorsal

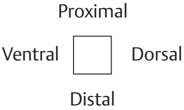
Distal

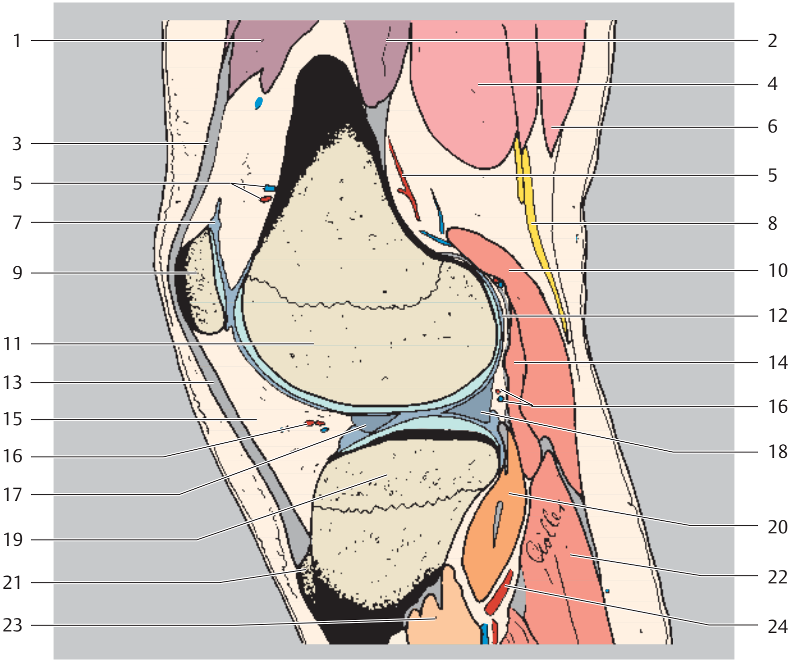


1 Vastus lateralis muscle
2 Biceps femoris muscle (long head)
3 Vastus intermedius muscle
4 Biceps femoris muscle (short head)
5 Lateral patellar retinaculum (longitudinal)
6 Superior lateral genicular artery and vein
7 Lateral patellar retinaculum (transverse)
8 Gastrocnemius muscle (lateral head)
9 Femur (lateral condyle)
10 Common fibular (peroneal) nerve
11 Knee joint
12 Lateral meniscus (posterior horn)
13 Lateral meniscus (anterior horn)
14 Popliteus muscle (with tendon)
15 Inferior lateral genicular artery
16 Tibiofibular joint (proximal)
17 Lateral tibial condyle
18 Fibula (head)
19 Anterior tibial artery
20 Soleus muscle
21 Tibialis posterior muscle
22 Peroneus (fibularis) longus muscle
23 Tibialis anterior muscle

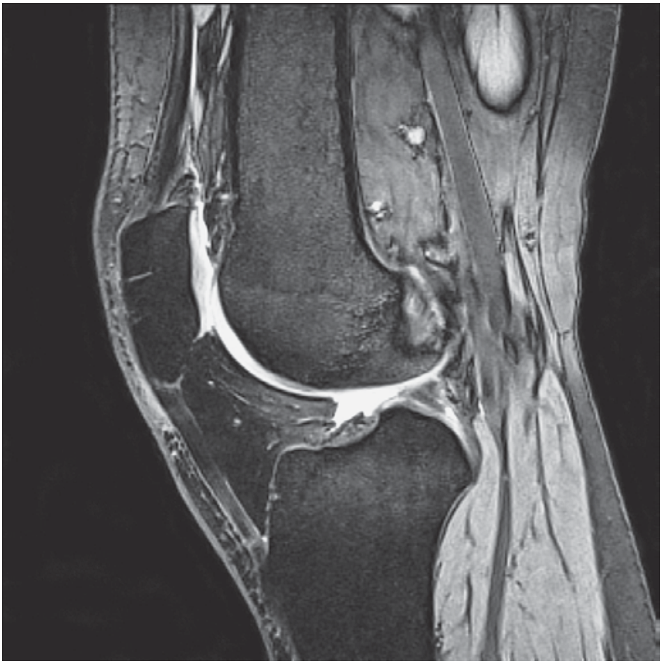


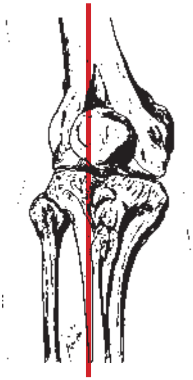


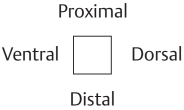

Proximal
Ventral
Dorsal
Distal

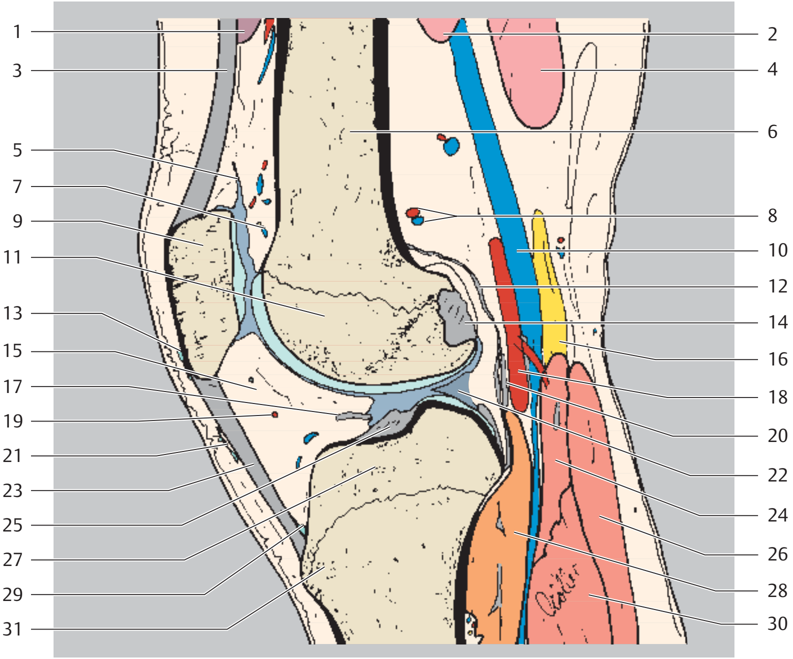


1 Vastus lateralis muscle
2 Vastus intermedius muscle
3 Quadriceps tendon
4 Biceps femoris muscle (short head)
5 Superior lateral genicular artery and vein
6 Biceps femoris muscle (long head)
7 Suprapatellar bursa
8 Common fibular (peroneal) nerve
9 Patella
10 Gastrocnemius muscle (lateral head)
11 Femur (lateral condyle)
12 Joint capsule
13 Patellar ligament
14 Plantaris muscle
15 Infrapatellar fat pad
16 Inferior lateral genicular artery and vein
17 Lateral meniscus (anterior horn)
18 Lateral meniscus (posterior horn)
19 Lateral condyle of tibia
20 Popliteus muscle
21 Tibial tuberosity
22 Soleus muscle
23 Tibialis posterior muscle
24 Anterior tibial artery

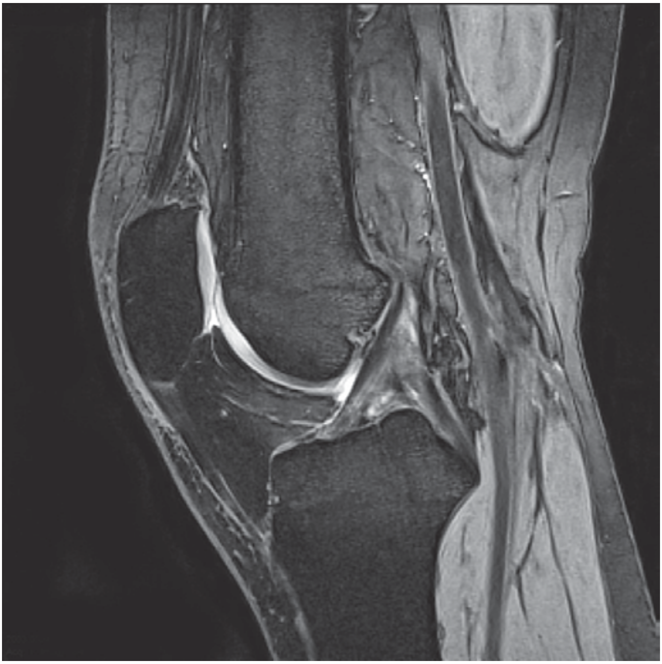


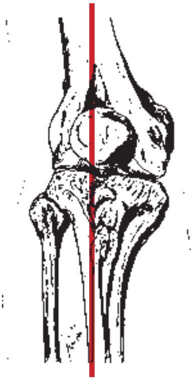



Proximal
Ventral
Dorsal
Distal



1 Vastus medialis muscle
2 Biceps femoris muscle
3 Quadriceps tendon
4 Semimembranosus muscle
5 Suprapatellar bursa
6 Femur (shaft)
7 Patellar anastomosis
8 Superior lateral genicular artery and vein
9 Patella
10 Popliteal vein
11 Femur (lateral condyle)
12 Joint capsule
13 Subcutaneous prepatellar bursa
14 Anterior cruciate ligament (femoral attachment)
15 Infrapatellar fat pad
16 Tibial nerve
17 Transverse ligament of knee
18 Popliteal artery
19 Inferior lateral genicular artery and vein
20 Oblique popliteal ligament
21 Subcutaneous infrapatellar bursa
22 Lateral meniscus (posterior horn, inner attachment)
23 Patellar ligament
24 Plantaris muscle
25 Posterior cruciate ligament (tibial origin)
26 Gastrocnemius muscle (lateral head)
27 Head of tibia
28 Popliteus muscle
29 Deep infrapatellar bursa
30 Soleus muscle
31 Tibial tuberosity

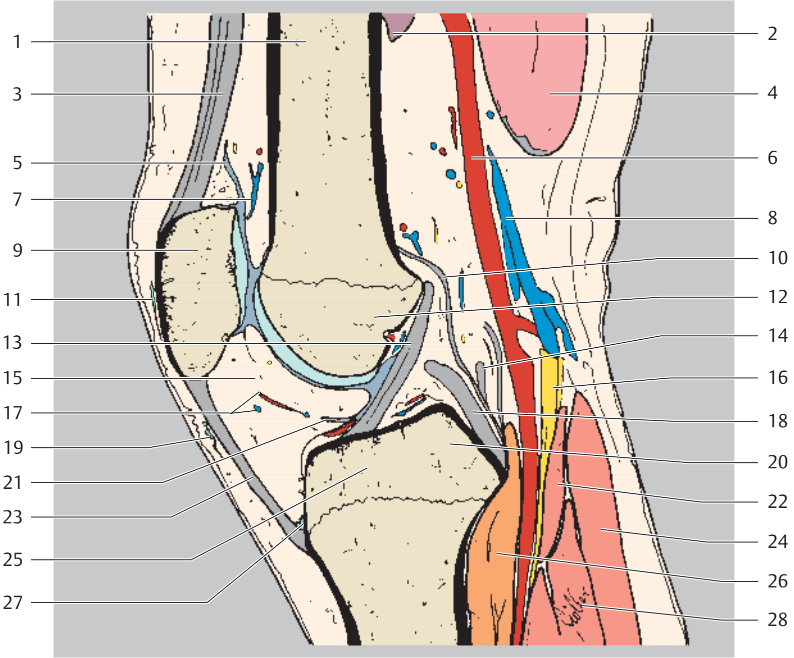




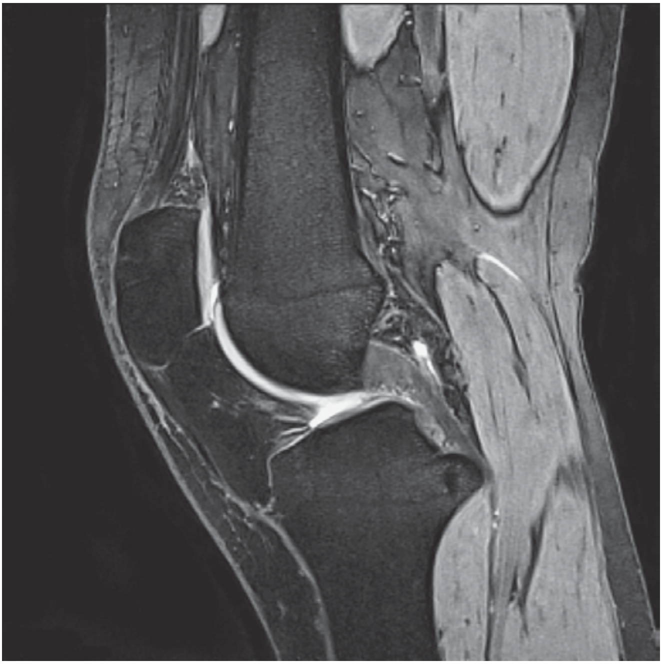
Proximal

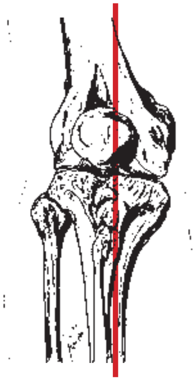
Ventral ☐ Dorsal

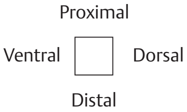
Distal

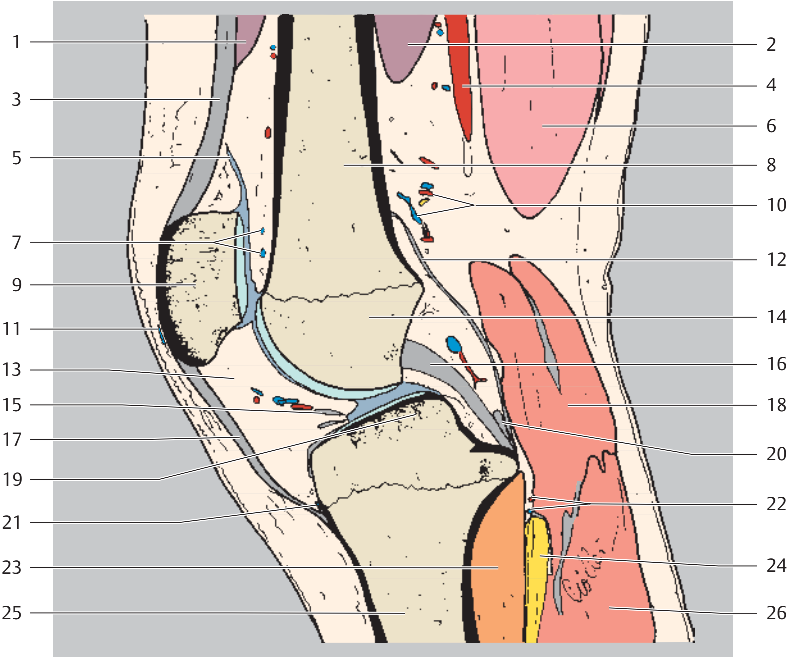


1 Femur (shaft)
2 Vastus medialis muscle
3 Quadriceps muscle
4 Semimembranosus muscle
5 Suprapatellar bursa
6 Popliteal artery
7 Patellar anastomosis
8 Popliteal vein
9 Patella
10 Joint capsule
11 Subcutaneous prepatellar bursa
12 Femur (intercondylar part)
13 Anterior cruciate ligament
14 Oblique popliteal ligament
15 Infrapatellar fat pad
16 Tibial nerve
17 Inferior lateral genicular artery and vein
18 Posterior cruciate ligament
19 Subcutaneous infrapatellar bursa
20 Medial intercondylar tubercle
21 Transverse ligament of knee
22 Plantaris muscle
23 Patellar ligament
24 Gastrocnemius muscle (lateral head)
25 Head of tibia
26 Popliteus muscle
27 Deep infrapatellar bursa
28 Soleus muscle

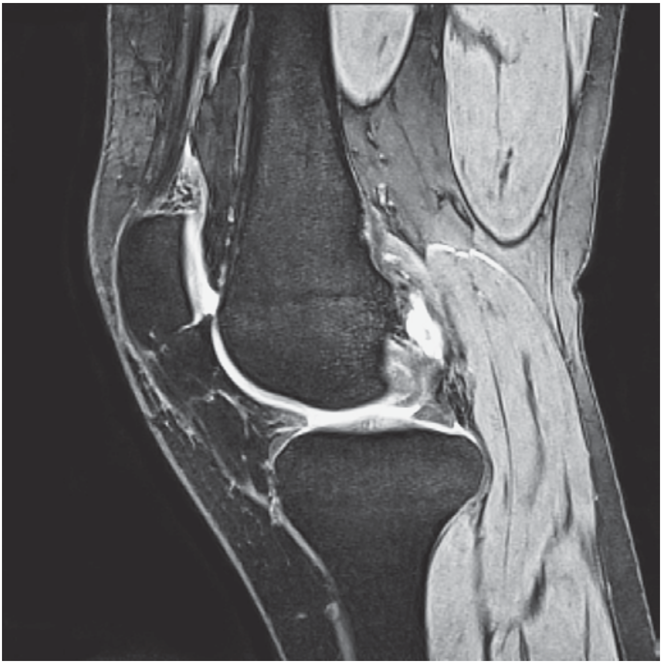


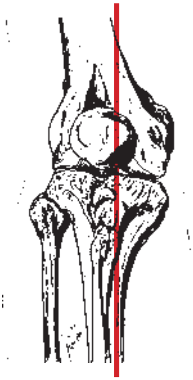



Proximal
Ventral
Dorsal
Distal



1	Rectus femoris muscle
2	Vastus medialis muscle
3	Quadriceps tendon
4	Superficial femoral artery
5	Suprapatellar bursa
6	Semimembranosus muscle
7	Patellar anastomosis
8	Femur (shaft)
9	Patella
10	Superior medial genicular artery and vein
11	Subcutaneous prepatellar bursa
12	Joint capsule
13	Infrapatellar fat pad
14	Femur (medial condyle)
15	Transverse ligament of knee
16	Posterior cruciate ligament
17	Patellar ligament
18	Gastrocnemius muscle (medial head)
19	Medial intercondylar tubercle of tibial condyle
20	Posterior meniscofemoral ligament (Wrisberg's ligament)
21	Deep infrapatellar bursa
22	Inferior medial genicular artery and vein
23	Popliteus muscle
24	Tibial nerve
25	Tibia (shaft)
26	Gastrocnemius muscle (lateral head)

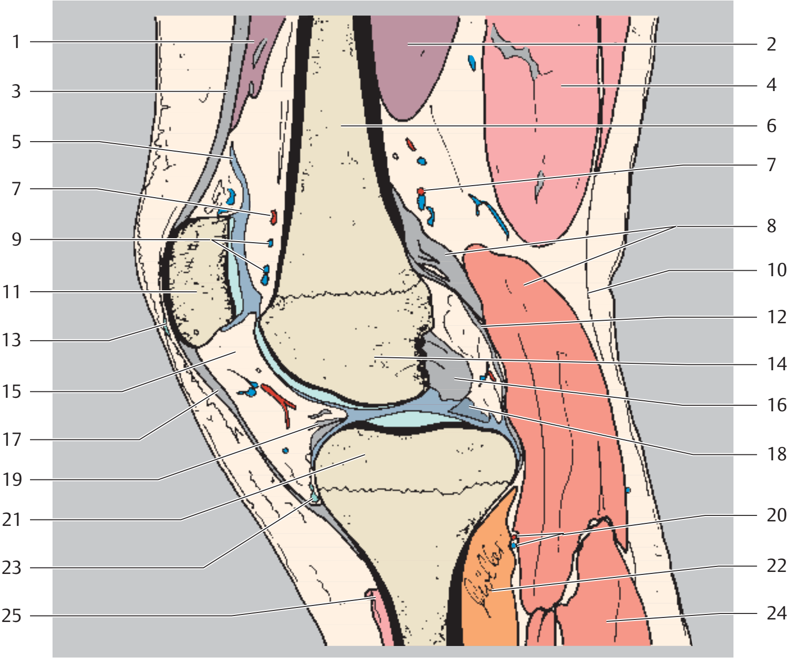




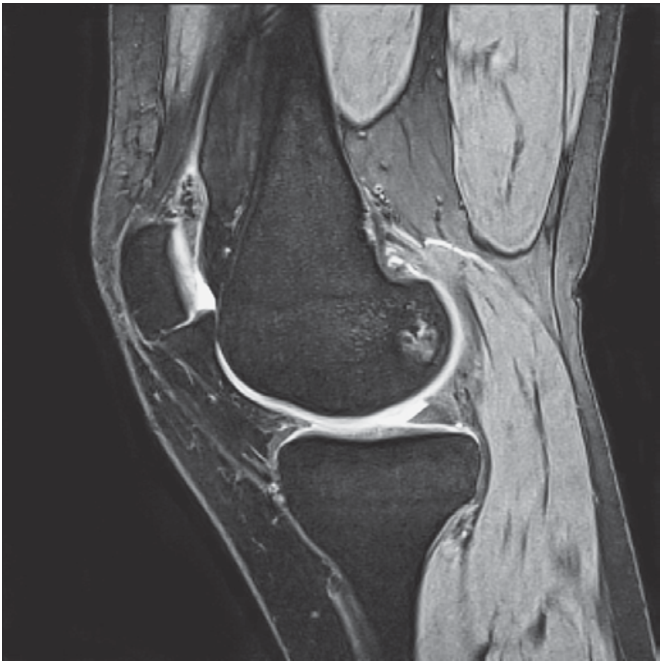
Proximal

Ventral ☐ Dorsal

Distal



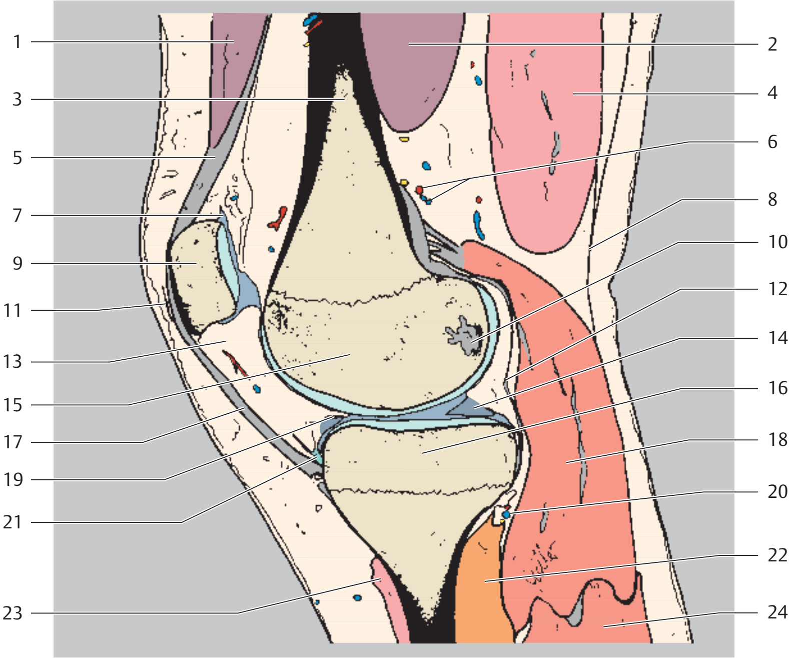
1 Rectus femoris muscle
2 Vastus medialis muscle
3 Quadriceps tendon
4 Semimembranosus muscle
5 Suprapatellar bursa
6 Femur (shaft)
7 Superior medial genicular artery and vein
8 Gastrocnemius muscle (medial head + muscle attachment)
9 Patellar anastomosis
10 Deep fascia of leg
11 Patella
12 Joint capsule
13 Subcutaneous prepatellar bursa
14 Femur (medial condyle)
15 Infrapatellar fat pad
16 Posterior cruciate ligament (attachment)
17 Patellar ligament
18 Medial meniscus (posterior horn, inner attachment)
19 Transverse ligament of knee
20 Inferior medial genicular artery and vein
21 Medial tibial condyle
22 Popliteus muscle
23 Deep infrapatellar bursa
24 Gastrocnemius muscle (lateral head)
25 Sartorius muscle (attachment, part of superficial pes anserinus)



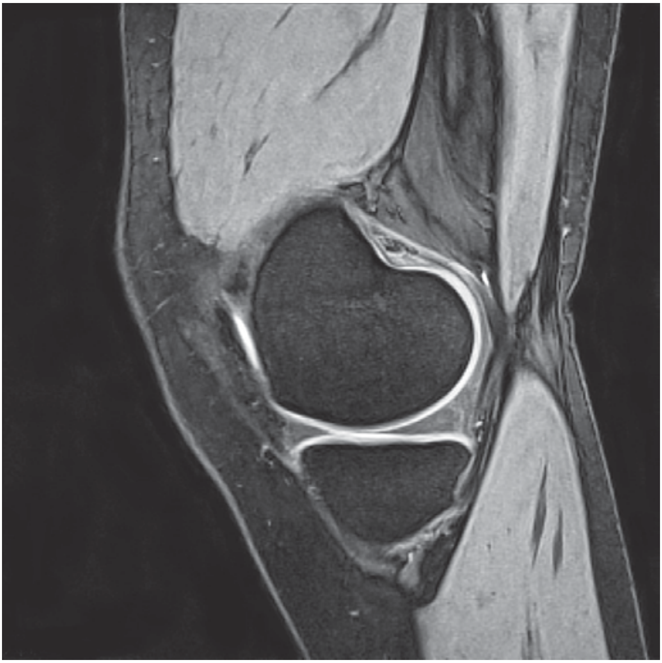
Proximal

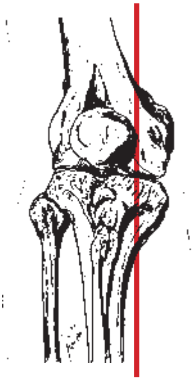
Ventral ☐ Dorsal

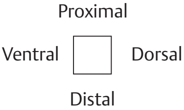
Distal

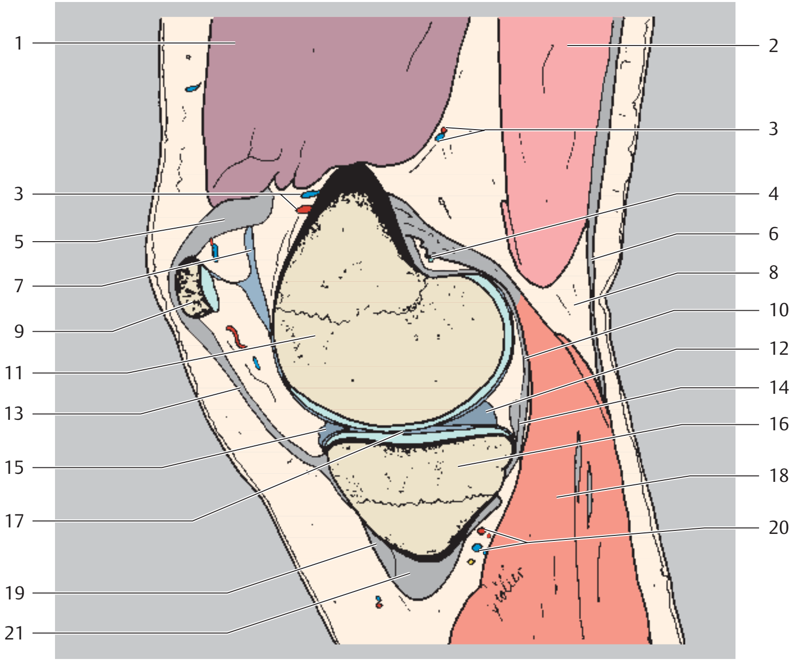


1	Rectus femoris muscle	13	Infrapatellar fat pad
2	Vastus medialis muscle	14	Medial meniscus (posterior horn)
3	Femur (shaft)	15	Femur (medial condyle)
4	Semimembranosus muscle	16	Medial condyle of tibia
5	Quadriceps tendon	17	Patellar ligament
6	Superior medial genicular artery and vein	18	Gastrocnemius muscle (medial head)
7	Suprapatellar bursa	19	Transverse ligament of knee
8	Deep fascia of leg	20	Inferior medial genicular artery and vein
9	Patella	21	Deep infrapatellar bursa
10	Posterior cruciate ligament (attachment)	22	Popliteus muscle
11	Subcutaneous prepatellar bursa	23	Sartorius muscle (attachment, part of superficial pes anserinus)
12	Joint capsule	24	Gastrocnemius muscle (lateral head)

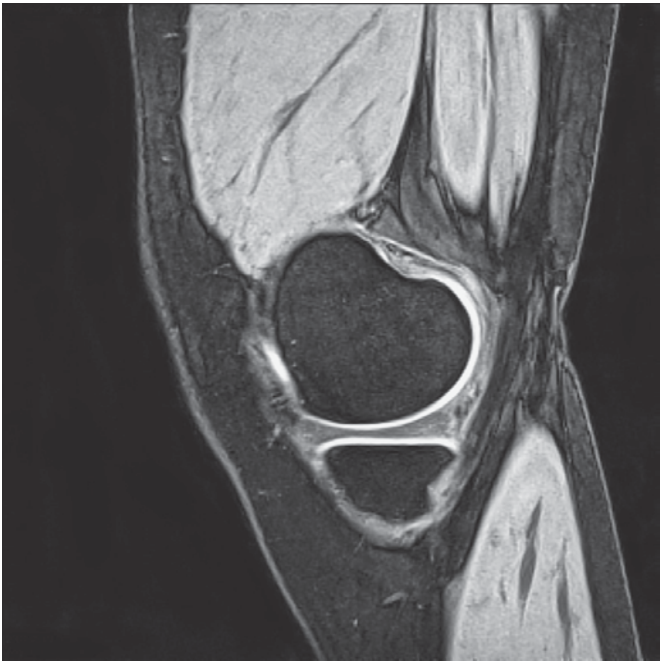


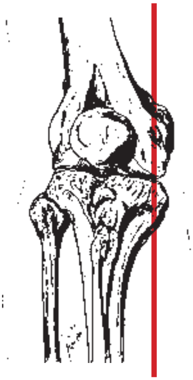



Proximal
Ventral
Dorsal
Distal



1 Vastus medialis muscle
2 Semimembranosus muscle
3 Superior medial genicular artery and vein
4 Medial subtendinous bursa of gastrocnemius
5 Medial patellar retinaculum
6 Deep fascia of leg
7 Suprapatellar bursa
8 Popliteal fossa
9 Patella
10 Joint capsule
11 Femur (medial condyle)
12 Medial meniscus (posterior horn)
13 Medial patellar retinaculum
14 Oblique popliteal ligament
15 Medial meniscus (anterior horn)
16 Medial tibial condyle
17 Knee joint
18 Gastrocnemius muscle (medial head)
19 Sartorius muscle (attachment, part of superficial pes anserinus)
20 Inferior medial genicular artery and vein
21 Pes anserinus (superficial part)

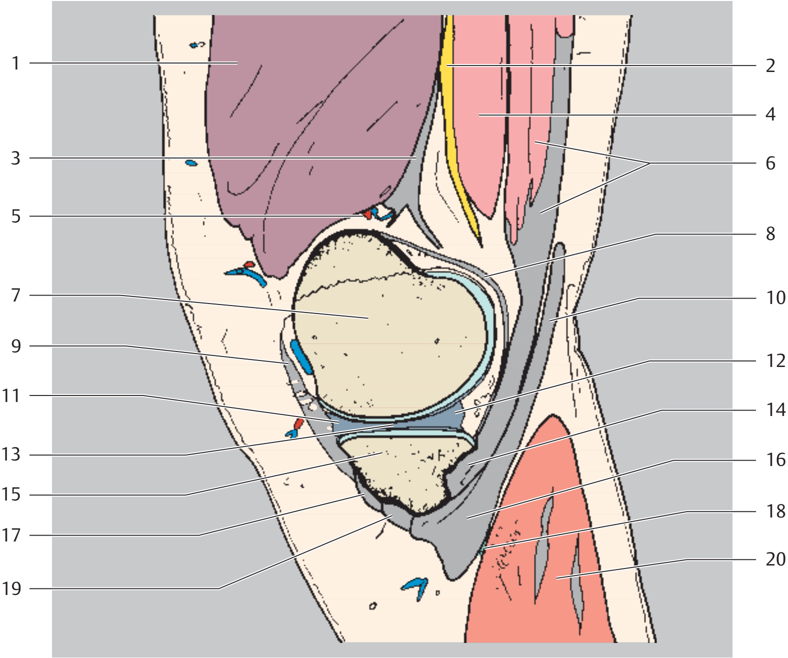




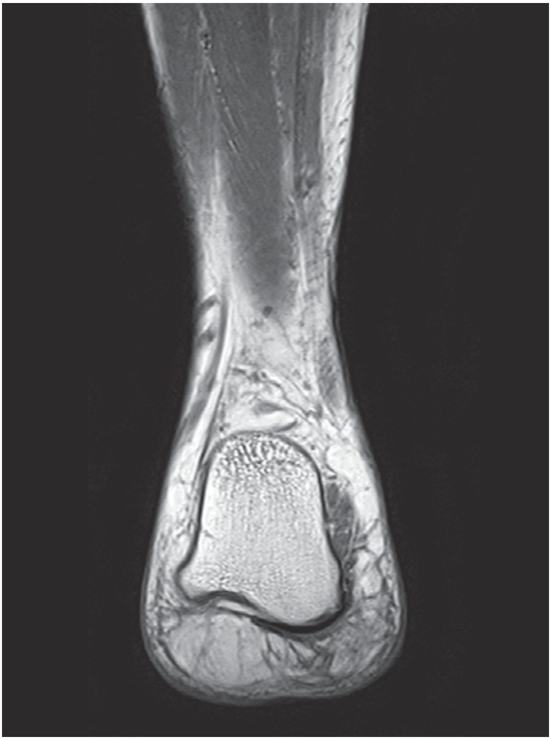
Proximal

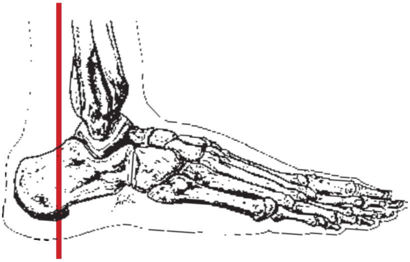
Ventral ☐ Dorsal

Distal



1	Vastus medialis muscle	11	Medial meniscus (anterior horn)
2	Saphenous nerve	12	Medial meniscus (posterior horn)
3	Adductor magnus muscle (tendon)	13	Medial meniscus (intermediate portion)
4	Sartorius muscle	14	Pes anserinus (deep part)
5	Superior medial genicular artery and vein	15	Medial tibial condyle
6	Semimembranosus muscle (+ tendon)	16	Pes anserinus (superficial part)
7	Femur (medial condyle)	17	Sartorius muscle (attachment, part of superficial pes anserinus)
8	Joint capsule	18	Anserine bursa
9	Medial patellar retinaculum	19	Gracilis muscle (attachment, part of superficial pes anserinus)
10	Semitendinosus muscle (tendon)	20	Gastrocnemius muscle (medial head)

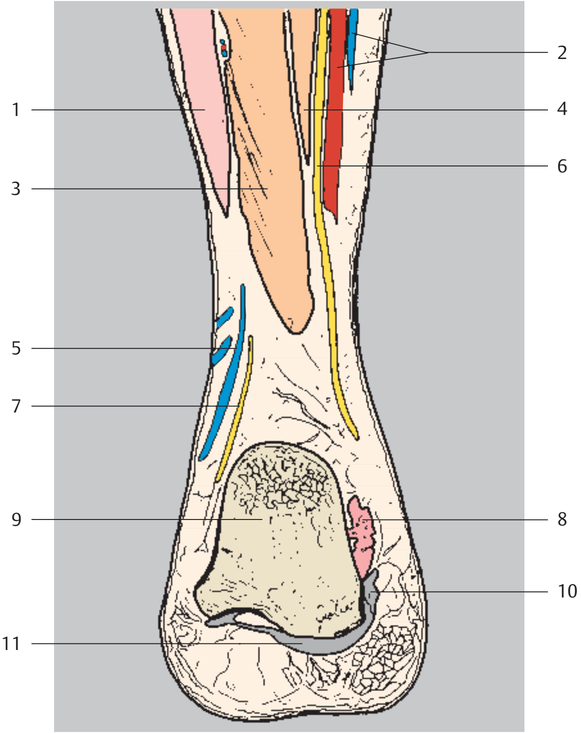




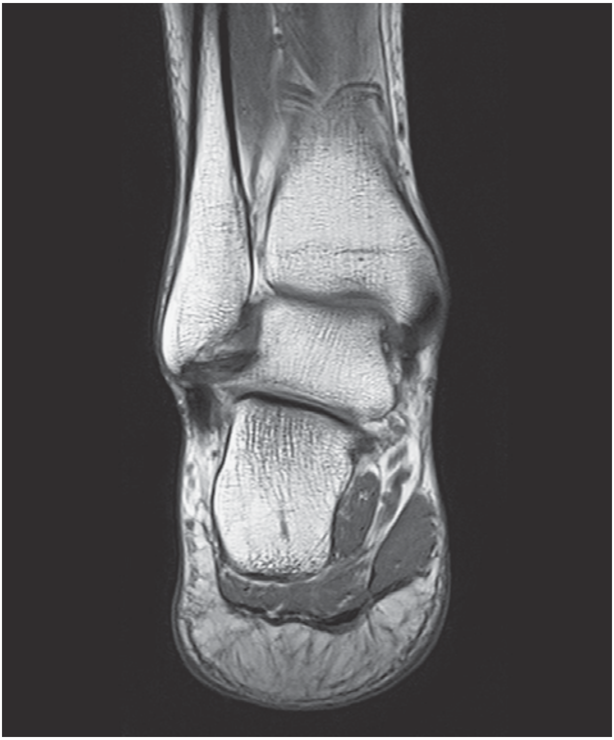
Proximal

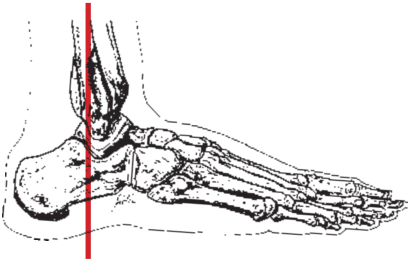
Lateral ☐ Medial

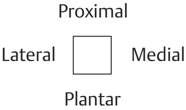
Plantar

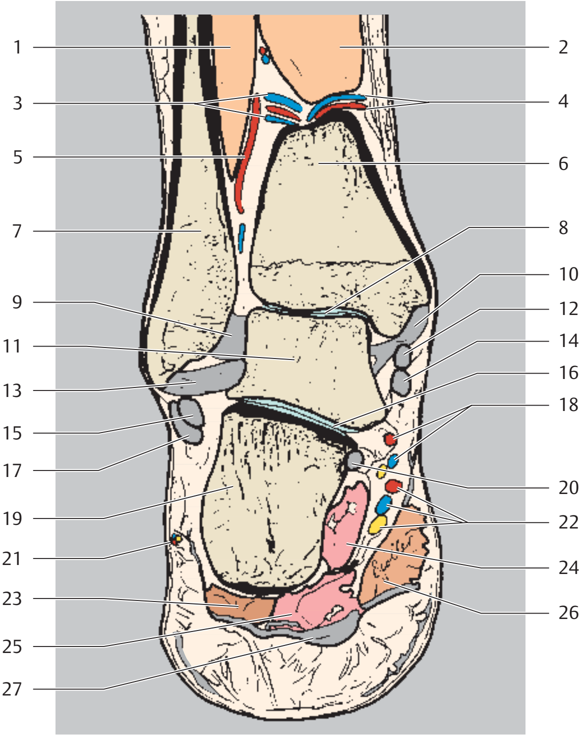


1	Peroneus (fibularis) brevis muscle	6	Tibial nerve
2	Posterior tibial artery and vein	7	Sural nerve
3	Flexor hallucis longus muscle	8	Quadratus plantae muscle
4	Flexor digitorum longus muscle	9	Calcaneus
5	Small saphenous vein	10	Abductor hallucis muscle
		11	Plantar aponeurosis

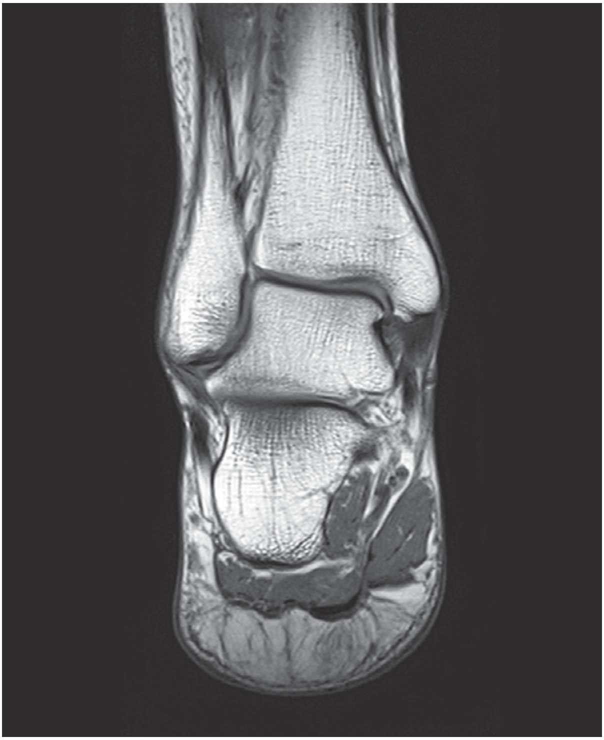


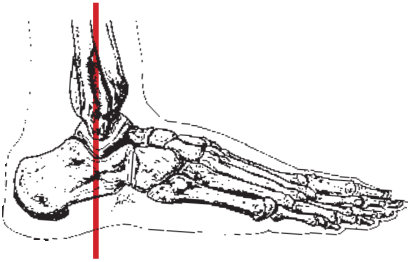



Proximal
Lateral
Medial
Plantar



1 Flexor hallucis longus muscle
2 Tibialis posterior muscle
3 Fibular artery (communicating branch)
4 Posterior tibial artery (communicating branch)
5 Fibular artery
6 Tibia
7 Fibula
8 Talocrural joint
9 Dorsal capsule
10 Deltoid ligament
11 Talus
12 Tibialis posterior muscle (tendon)
13 Posterior talofibular ligament
14 Flexor digitorum longus muscle (tendon)
15 Peroneus (fibularis) brevis muscle (tendon)
16 Subtalar joint
17 Peroneus (fibularis) longus muscle (tendon)
18 Medial plantar artery, vein, and nerve
19 Calcaneus
20 Flexor hallucis longus muscle (tendon)
21 Sural nerve with accompanying vessels
22 Lateral plantar artery, vein, and nerve
23 Abductor digiti minimi muscle
24 Quadratus plantae muscle
25 Flexor digitorum brevis muscle
26 Abductor hallucis muscle
27 Plantar aponeurosis

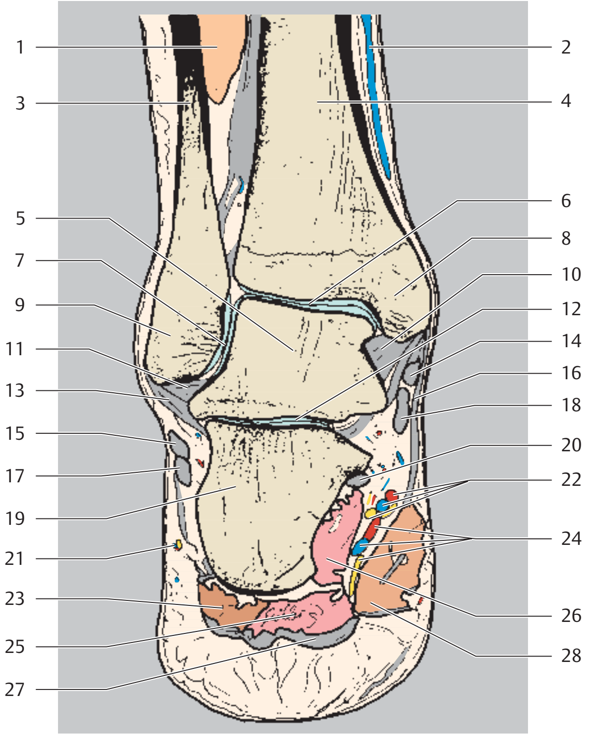




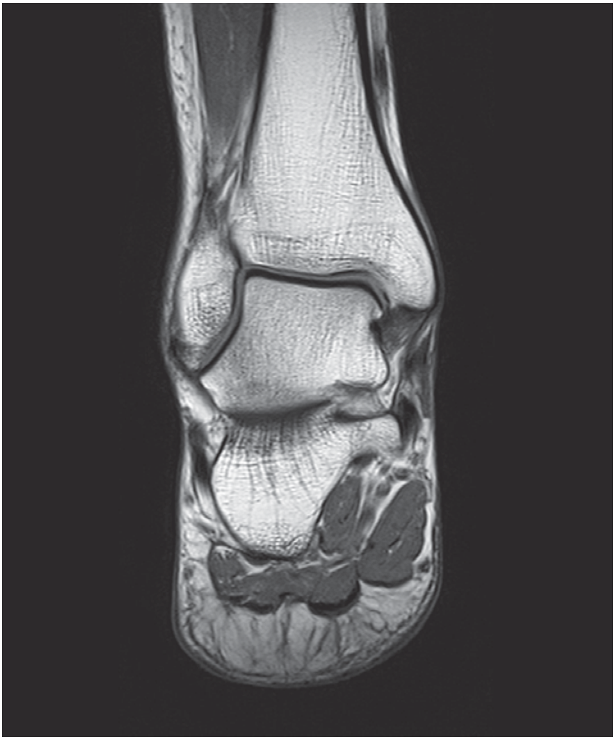
Proximal

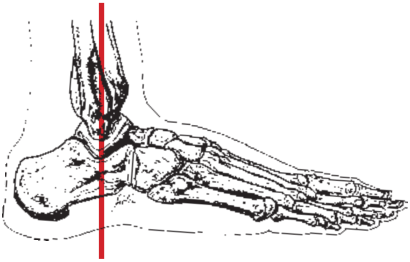
Lateral Medial

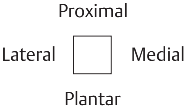
Plantar

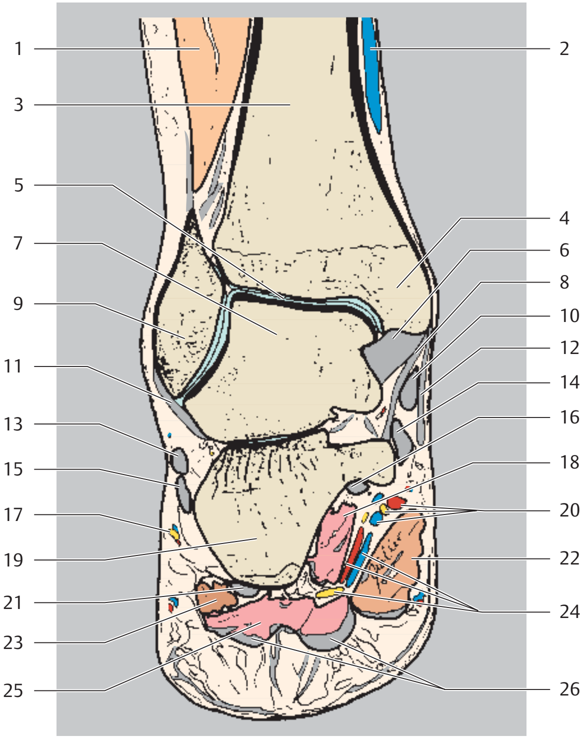


1	Flexor hallucis longus muscle
2	Great saphenous vein
3	Fibula
4	Tibia
5	Talus
6	Talocrural joint
7	Talofibular joint
8	Medial malleolus
9	Lateral malleolus
10	Deltoid ligament (posterior tibiotalar part)
11	Posterior talofibular ligament
12	Subtalar joint
13	Calcaneofibular ligament
14	Tibialis posterior muscle (tendon)
15	Peroneus (fibularis) brevis muscle (tendon)
16	Flexor retinaculum
17	Peroneus (fibularis) longus muscle (tendon)
18	Flexor digitorum longus muscle (tendon)
19	Calcaneus
20	Flexor hallucis longus muscle (tendon)
21	Sural nerve with accompanying vessels
22	Medial plantar artery, vein, and nerve
23	Abductor digiti minimi muscle
24	Lateral plantar artery, vein, and nerve
25	Flexor digitorum brevis muscle
26	Quadratus plantae muscle
27	Plantar aponeurosis
28	Abductor hallucis muscle

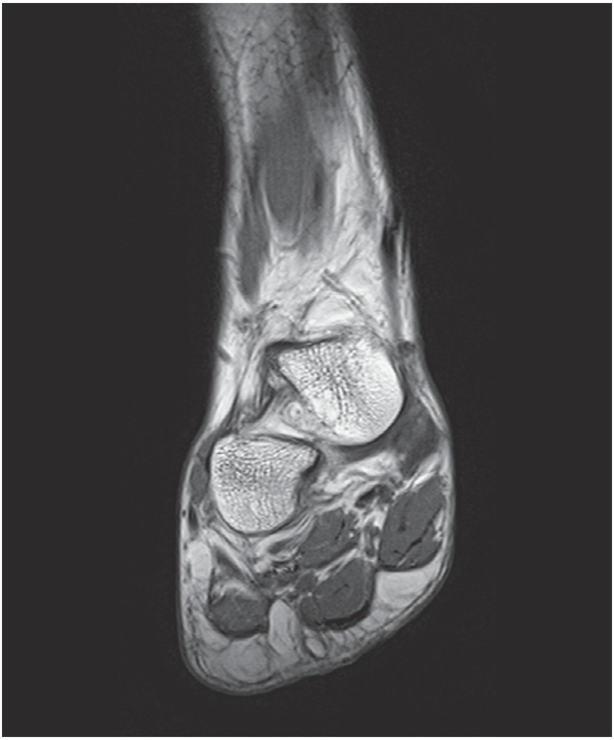


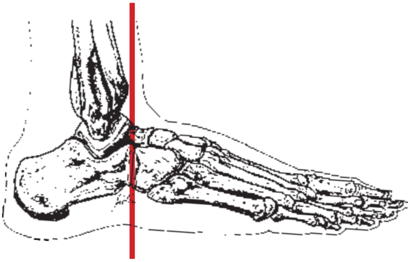



Proximal
Lateral
Medial
Plantar



1 Extensor digitorum longus muscle
2 Great saphenous vein
3 Tibia
4 Medial malleolus
5 Talocrural joint
6 Deltoid ligament (posterior tibiotalar part)
7 Talus
8 Deltoid ligament (tibiocalcaneal part)
9 Fibula (lateral malleolus)
10 Tibialis posterior muscle (tendon)
11 Calcaneofibular ligament
12 Flexor retinaculum
13 Peroneus (fibularis) brevis muscle (tendon)
14 Flexor digitorum longus muscle (tendon)
15 Peroneus (fibularis) longus muscle (tendon)
16 Flexor hallucis longus muscle (tendon)
17 Sural nerve with accompanying vessels
18 Quadratus plantae muscle
19 Calcaneus
20 Medial plantar artery, vein, and nerve
21 Long plantar ligament
22 Abductor hallucis muscle
23 Abductor digiti minimi muscle
24 Lateral plantar artery, vein, and nerve
25 Flexor digitorum brevis muscle
26 Plantar aponeurosis

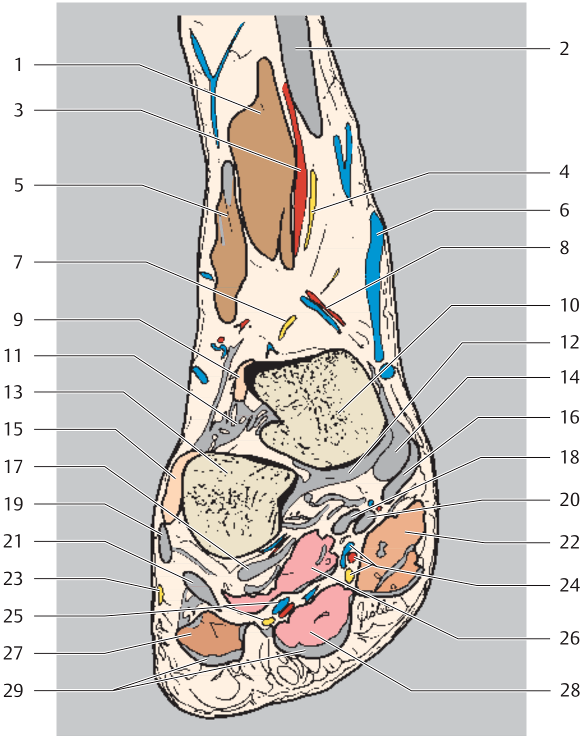




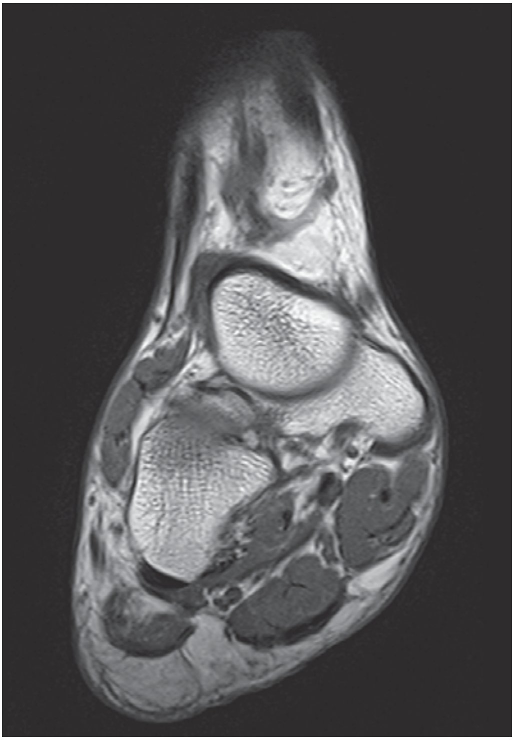
Proximal

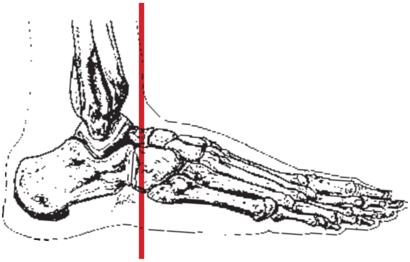
Lateral ☐ Medial

Plantar



1 Extensor hallucis longus muscle
2 Tibialis anterior muscle (tendon)
3 Anterior tibial artery
4 Deep fibular (peroneal) nerve
5 Extensor digitorum longus muscle
6 Great saphenous vein
7 Deep fibular (peroneal) nerve (cutaneous branch)
8 Tarsal artery (medial)
9 Extensor hallucis brevis muscle (tendon)
10 Talus
11 Interosseous talocalcaneal ligament
12 Plantar calcaneonavicular ligament
13 Calcaneus
14 Deltoid ligament (tibionavicular part)
15 Extensor digitorum brevis muscle
16 Tibialis posterior muscle (tendon)
17 Long plantar ligament
18 Flexor hallucis longus muscle (tendon)
19 Peroneus (fibularis) brevis muscle
20 Flexor digitorum longus muscle (tendon)
21 Peroneus (fibularis) longus muscle (tendon)
22 Abductor hallucis muscle
23 Lateral dorsal cutaneous nerve
24 Medial plantar artery, vein, and nerve
25 Lateral plantar artery, vein, and nerve
26 Quadratus plantae muscle
27 Abductor digiti minimi muscle
28 Flexor digitorum brevis muscle
29 Plantar aponeurosis



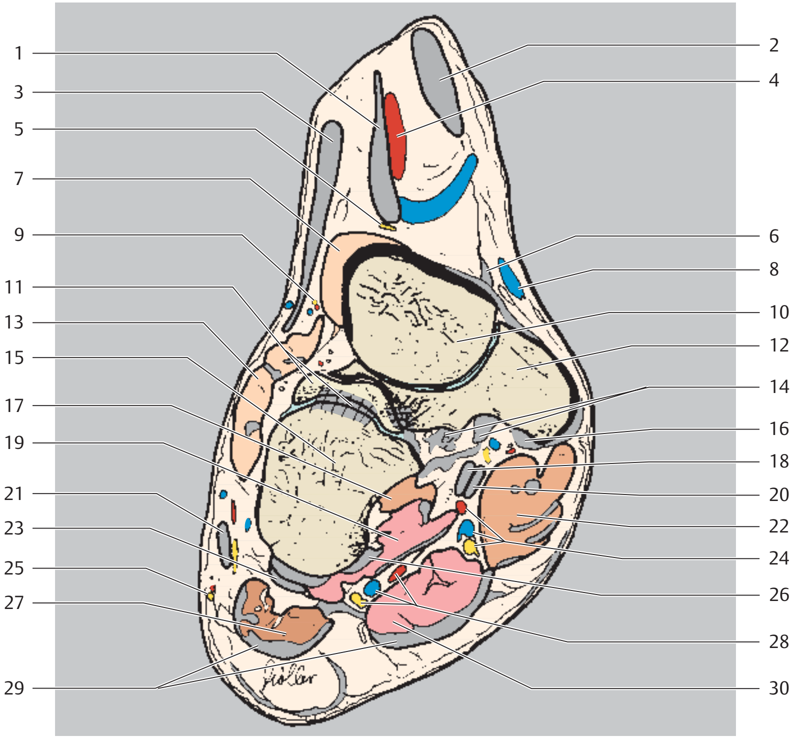


Proximal

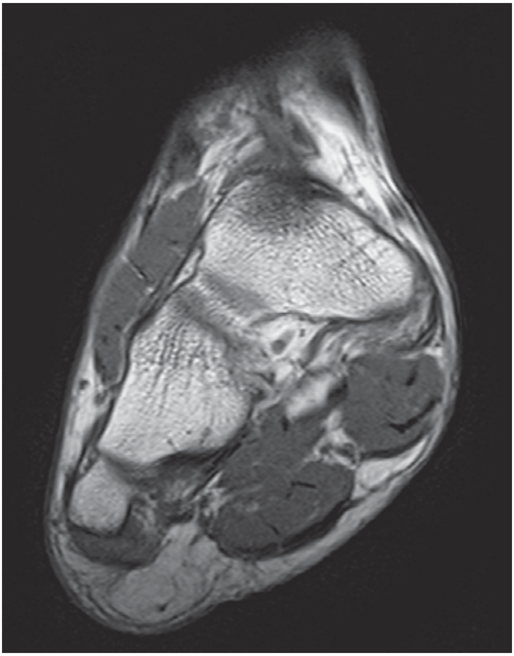
Lateral Medial

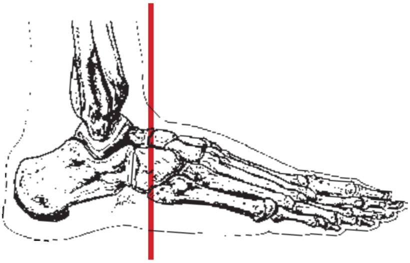
Plantar

1 Extensor hallucis longus muscle (tendon)
2 Tibialis anterior muscle (tendon)
3 Extensor digitorum longus muscle (tendon)
4 Anterior tibial artery

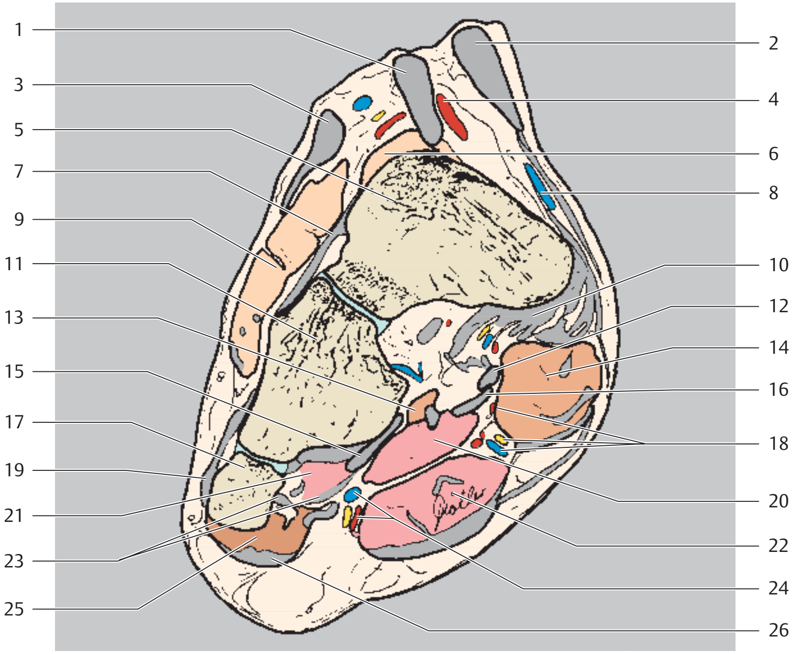


5 Deep fibular (peroneal) nerve (medial branch)
6 Deltoid ligament (anterior tibiotalar part)
7 Extensor hallucis brevis muscle
8 Great saphenous vein
9 Deep fibular (peroneal) nerve (lateral branch)
10 Talus
11 Calcaneus and bifurcate ligament
12 Navicular
13 Extensor digitorum brevis muscle
14 Plantar calcaneonavicular ligament
15 Cuboid
16 Tibialis posterior muscle (tendon)
17 Adductor hallucis muscle (oblique head)
18 Flexor hallucis longus muscle (tendon)
19 Quadratus plantae muscle
20 Flexor digitorum longus muscle (tendon)
21 Peroneus (fibularis) brevis muscle (tendon)
22 Abductor hallucis muscle
23 Peroneus (fibularis) longus muscle (tendon)
24 Medial plantar artery, vein, and nerve
25 Lateral dorsal cutaneous nerve
26 Long plantar ligament
27 Abductor digiti minimi muscle
28 Lateral plantar artery, vein, and nerve
29 Plantar aponeurosis
30 Flexor digitorum brevis muscle

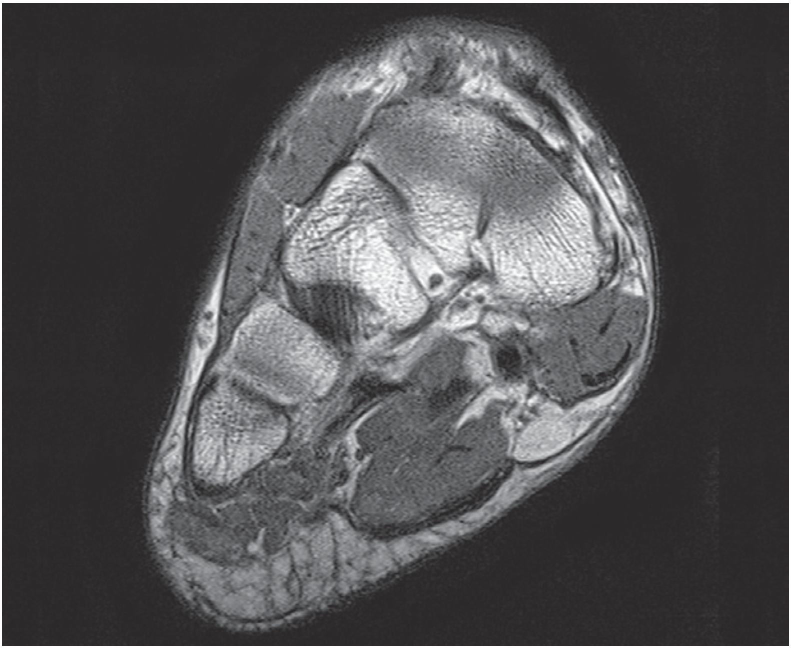


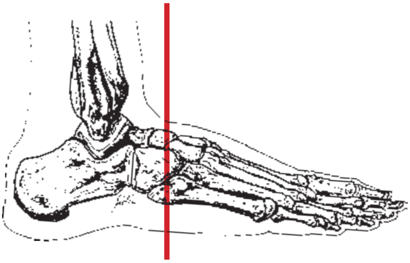


Dorsal
Lateral
Medial
Plantar



1 Extensor hallucis longus muscle (tendon)
2 Tibialis anterior muscle (tendon)
3 Extensor digitorum longus muscle (tendon)
4 Anterior tibial artery
5 Navicular
6 Extensor hallucis brevis muscle
7 Dorsal tarsal ligaments
8 Great saphenous vein
9 Extensor digitorum brevis muscle
10 Tibialis posterior muscle (tendon)
11 Cuboid
12 Flexor hallucis longus muscle (tendon)
13 Adductor hallucis muscle (oblique head)
14 Abductor hallucis muscle
15 Peroneus (fibularis) longus muscle (tendon)
16 Flexor digitorum longus muscle (tendon)
17 Metatarsal V (base)
18 Medial plantar artery, vein, and nerve
19 Peroneus (fibularis) brevis muscle (tendon)
20 Quadratus plantae muscle
21 Interosseous muscles
22 Flexor digitorum brevis muscle
23 Long plantar ligament
24 Lateral plantar artery, vein, and nerve
25 Abductor digiti minimi muscle
26 Plantar aponeurosis

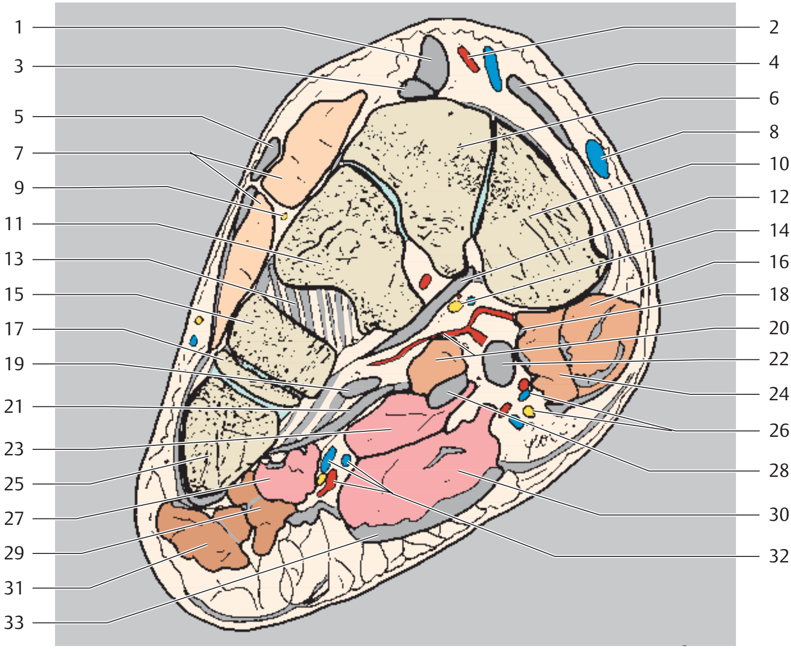




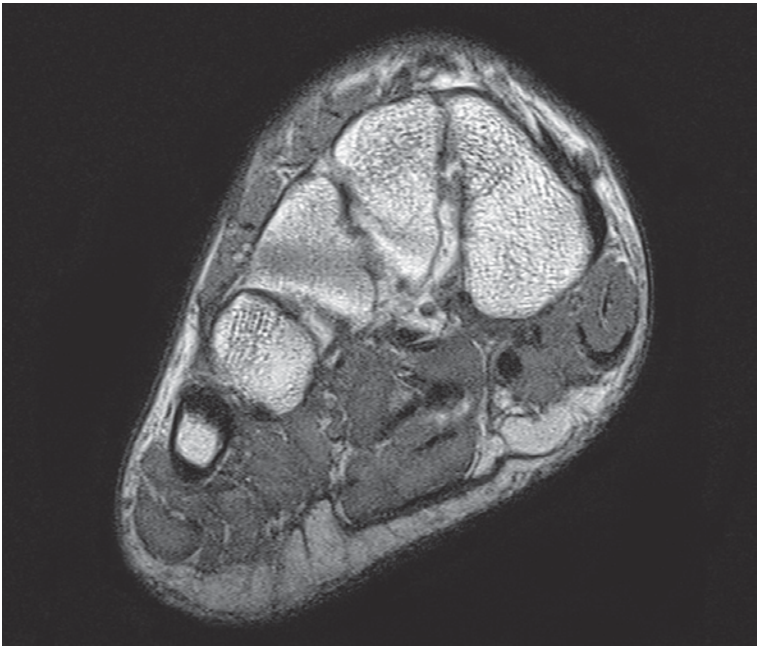
Dorsal

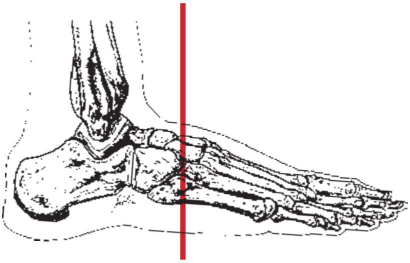
Lateral ☐ Medial

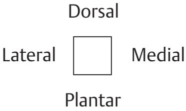
Plantar



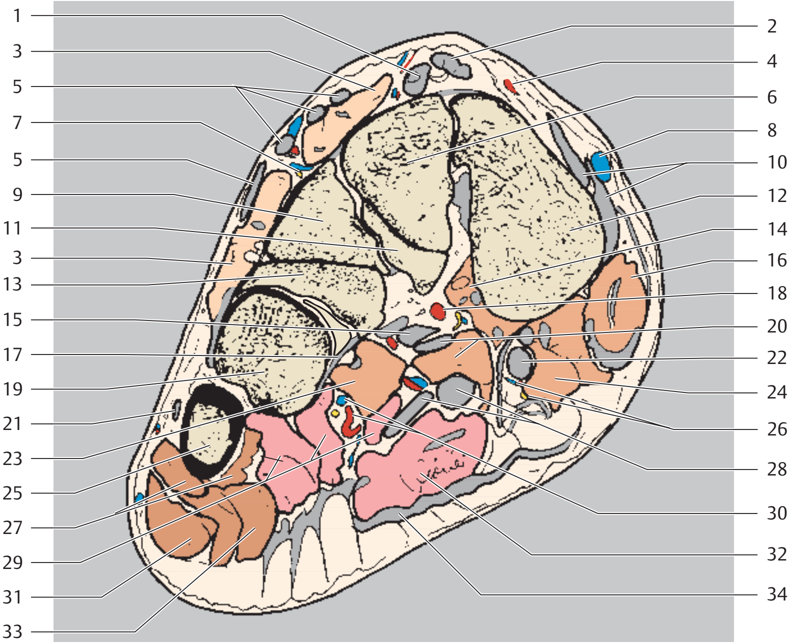
1 Extensor hallucis longus muscle (tendon)
2 Anterior tibial artery
3 Extensor hallucis brevis muscle (tendon)
4 Tibialis anterior muscle (tendon)
5 Extensor digitorum longus muscle (tendon)
6 Intermediate cuneiform
7 Extensor digitorum brevis muscle
8 Great saphenous vein
9 Deep fibular (peroneal) nerve (lateral branch)
10 Medial cuneiform
11 Lateral cuneiform
12 Tibialis posterior muscle (tendon attachment)
13 Dorsal tarsal ligaments
14 Lateral plantar nerve (deep branch)
15 Cuboid
16 Abductor hallucis muscle
17 Metatarsal IV (base)
18 Medial plantar septum
19 Peroneus (fibularis) longus muscle (tendon)
20 Adductor hallucis muscle (oblique head) and deep plantar arch
21 Long plantar ligament
22 Flexor hallucis longus muscle (tendon)
23 Quadratus plantae muscle
24 Flexor hallucis brevis muscle
25 Metatarsal V (base)
26 Medial plantar artery, vein, and nerve
27 Interosseous muscles
28 Flexor digitorum longus muscle (tendon)
29 Flexor digiti minimi brevis muscle
30 Flexor digitorum brevis muscle
31 Abductor digiti minimi muscle
32 Lateral plantar artery, vein, and nerve
33 Plantar aponeurosis



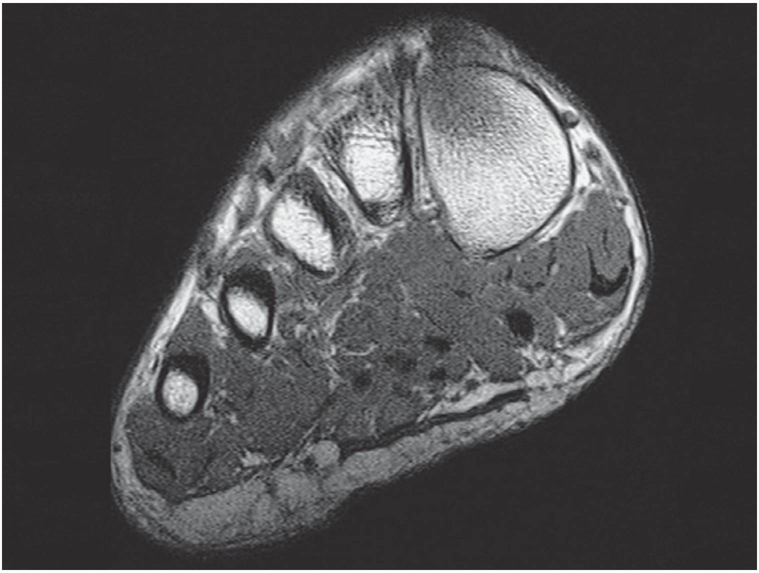


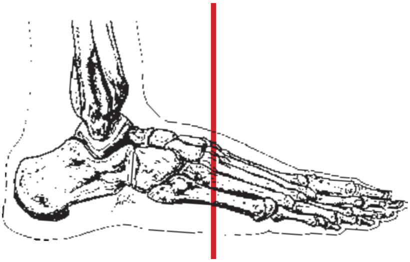

Dorsal
Lateral
Medial
Plantar

1 Extensor hallucis brevis muscle (tendon)
2 Extensor hallucis longus muscle (tendon)
3 Extensor digitorum brevis muscle
4 Anterior tibial artery



5	Extensor digitorum longus muscle (tendons)
6	Intermediate cuneiform
7	Deep fibular (peroneal) nerve (lateral branch)
8	Great saphenous vein
9	Lateral cuneiform
10	Tibialis anterior muscle (tendon)
11	Metatarsal II (base)
12	Medial cuneiform
13	Metatarsal III (base)
14	Flexor hallucis brevis muscle (lateral head)
15	Peroneus (fibularis) longus muscle (tendon)
16	Abductor hallucis muscle
17	Long plantar ligament
18	Deep plantar arch
19	Metatarsal IV (base)
20	Adductor hallucis muscle (oblique head + tendon)
21	Extensor digiti minimi brevis muscle (tendon)
22	Flexor hallucis longus muscle (tendon)
23	Flexor hallucis brevis muscle (lateral head)
24	Flexor hallucis brevis muscle (medial head)
25	Metatarsal V (base)
26	Medial plantar artery, vein, and nerve (superficial branch)
27	Opponens digiti minimi muscle
28	Flexor digitorum longus muscle (tendon)
29	Interosseous muscles
30	Lateral plantar artery, vein, and nerve
31	Abductor digiti minimi muscle
32	Flexor digitorum brevis muscle
33	Flexor digiti minimi brevis muscle
34	Plantar aponeurosis

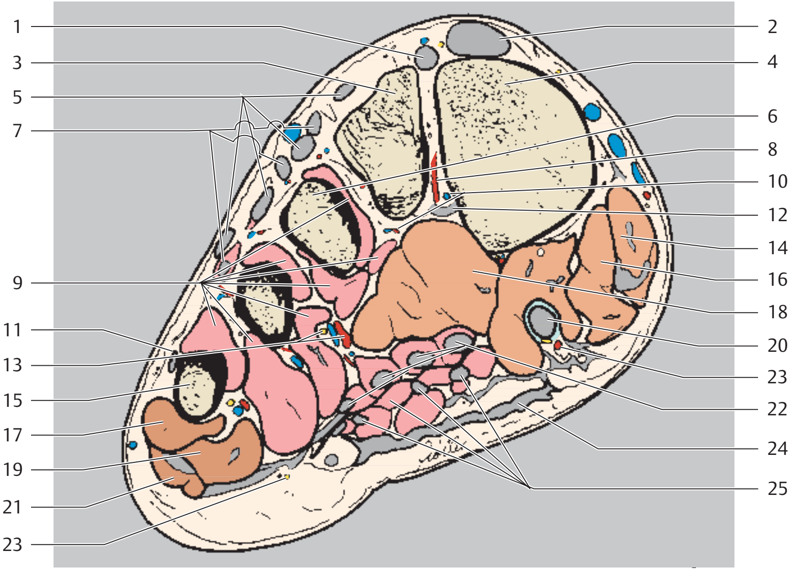




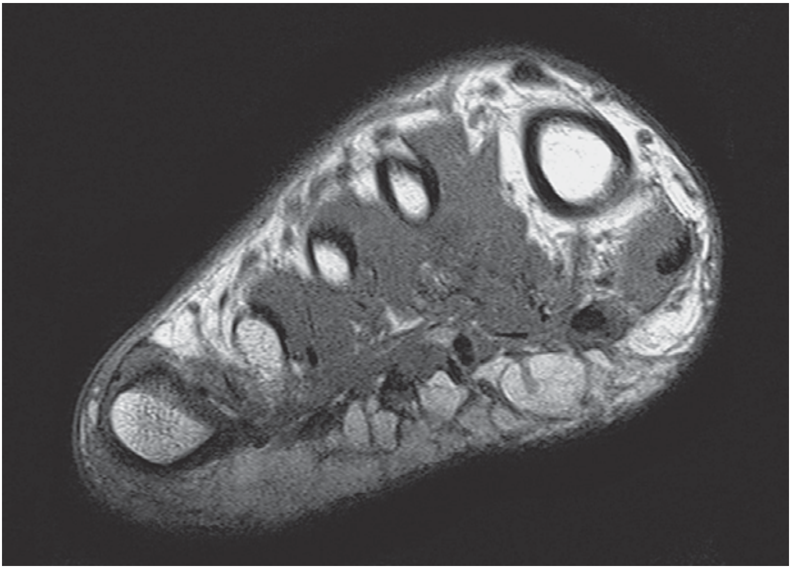
Dorsal

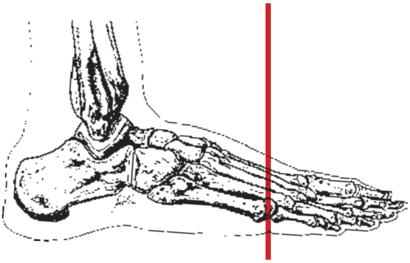
Lateral ☐ Medial

Plantar



1 Extensor hallucis brevis muscle (tendon)
2 Extensor hallucis longus muscle (tendon)
3 Metatarsal II (base)
4 Metatarsal I (base)
5 Extensor digitorum longus muscle (tendons)
6 Metatarsal III (base)
7 Extensor digitorum brevis muscle
8 Plantar metatarsal arteries
9 Interosseous muscles
10 Perforating veins (of first dorsal interosseous muscle)
11 Extensor digiti minimi brevis muscle (tendon)
12 Peroneus (fibularis) longus muscle (attachment)
13 Lateral plantar nerve (deep branch) and plantar metatarsal arteries
14 Abductor hallucis muscle
15 Metatarsal V (base)
16 Flexor hallucis brevis muscle (lateral head)
17 Opponens digiti minimi muscle
18 Adductor hallucis muscle (oblique head)
19 Flexor digiti minimi brevis muscle
20 Flexor hallucis longus muscle (tendon)
21 Abductor digiti minimi muscle
22 Flexor digitorum longus muscle (+ tendon)
23 Proper plantar digital artery
24 Plantar aponeurosis
25 Flexor digitorum brevis muscle (+ tendon)

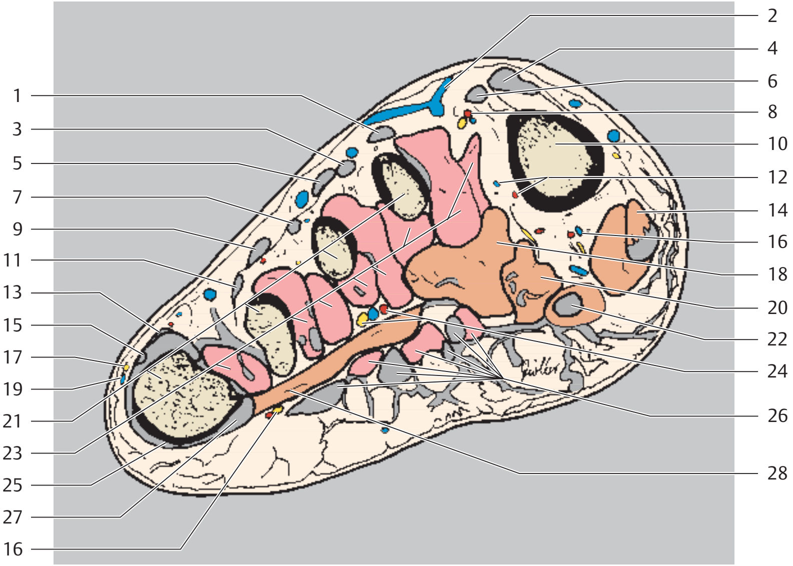




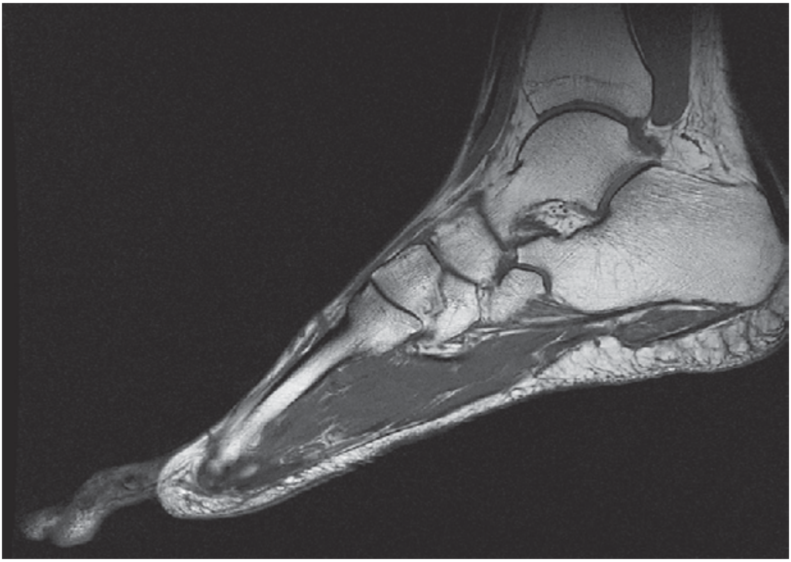
Dorsal

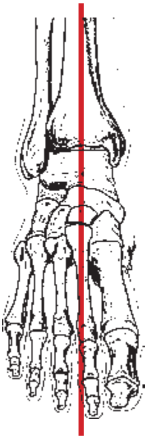
Lateral ☐ Medial

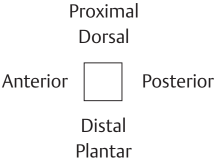
Plantar

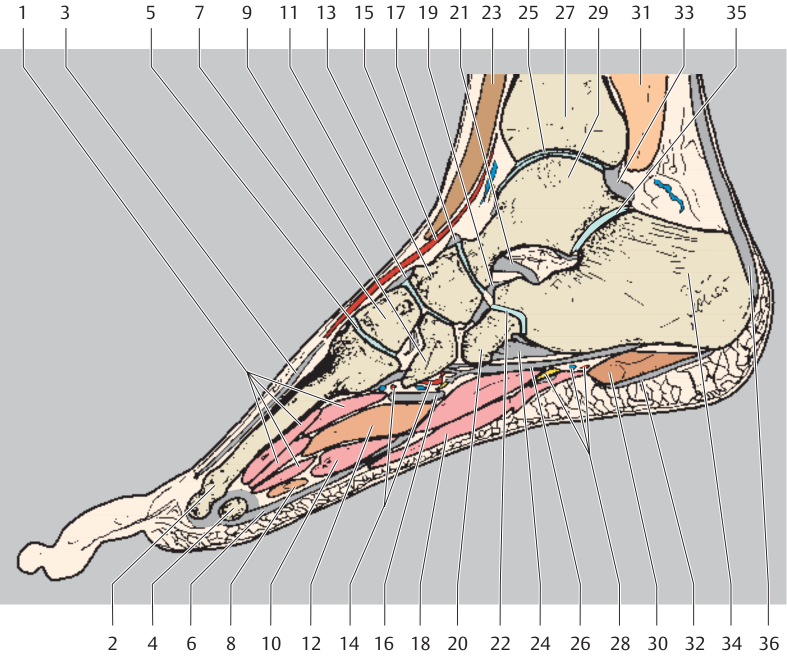


1 Extensor digitorum longus muscle (tendon) of second toe
2 Dorsal venous arch of foot
3 Extensor digitorum brevis muscle (tendon) of second toe
4 Extensor hallucis longus muscle (tendon)
5 Extensor digitorum longus muscle (tendon) of third toe
6 Extensor hallucis brevis muscle (tendon)
7 Extensor digitorum brevis muscle (tendon) of third toe
8 Dorsal metatarsal arteries and veins
9 Extensor digitorum brevis muscle (tendon) of fourth toe
10 Metatarsal I
11 Extensor digitorum brevis muscle (tendon) of fourth toe
12 Plantar metatarsal artery and vein (perforating branch of first dorsal interosseous muscle)
13 Extensor digitorum longus muscle (tendons) of fifth toe
14 Abductor hallucis muscle
15 Extensor digitorum brevis muscle (tendon) of fifth toe
16 Proper plantar digital arteries, veins, and nerve
17 Dorsal digital cutaneous nerve of foot
18 Adductor hallucis muscle (oblique head)
19 Small saphenous vein
20 Flexor hallucis brevis muscle (lateral head)
21 Metatarsals
22 Flexor hallucis longus muscle (tendon)
23 Plantar and dorsal interosseous muscles
24 Lateral plantar nerve (deep branch) and plantar metatarsal arteries
25 Abductor digiti minimi muscle (attachment)
26 Flexor digitorum longus and brevis muscles (tendons)
27 Extensor digiti minimi brevis muscle (tendon)
28 Adductor hallucis muscle (transverse head)

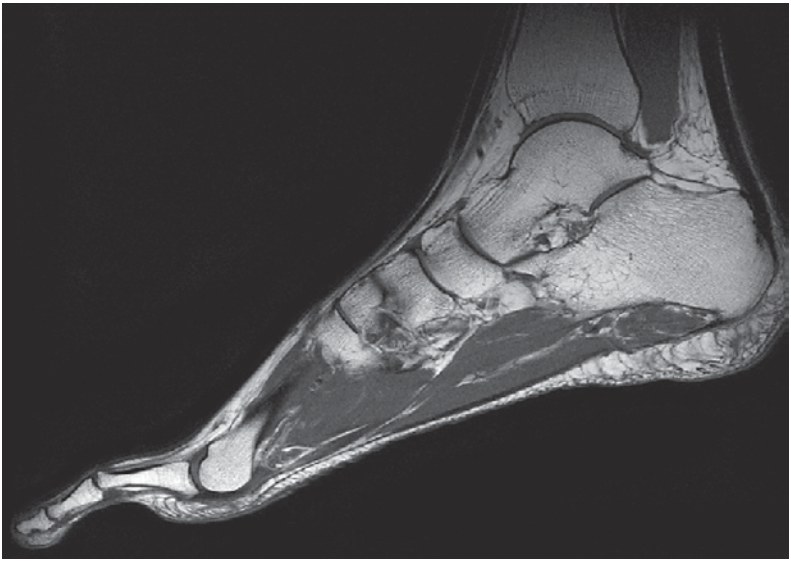


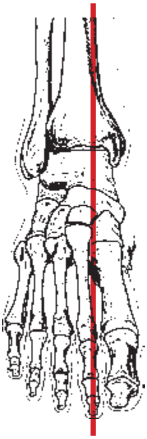



Proximal
Dorsal
Anterior
Posterior
Distal
Plantar



1	Interosseous muscles	18	Flexor digitorum brevis muscle
2	Metatarsal II	19	Bifurcate ligament
3	Extensor digiti II muscle (tendon)	20	Cuboid
4	Metatarsal II (head)	21	Talocalcaneal interosseous ligament
5	Tarsometatarsal joint II	22	Calcaneocuboid joint
6	Flexor digitorum longus muscle (tendon)	23	Extensor digitorum longus muscle (tendon)
7	Intermediate cuneiform	24	Spring ligament (plantar calcaneonavicular ligament)
8	Adductor hallucis muscle (transverse head)	25	Talocrural joint
9	Lateral cuneiform	26	Long plantar ligament
10	Lumbrical muscle	27	Tibia
11	Dorsal tarsal ligaments	28	Lateral plantar artery, vein, and nerve
12	Adductor hallucis muscle (oblique head)	29	Talus
13	Navicular	30	Abductor digiti minimi muscle
14	Deep plantar arch	31	Flexor hallucis longus muscle (tendon)
15	Dorsalis pedis artery	32	Plantar aponeurosis
16	Peroneus (fibularis) longus muscle (tendon)	33	Posterior talofibular ligament
17	Dorsal talonavicular ligament	34	Calcaneus
		35	Subtalar joint
		36	Achilles' tendon (calcaneal tendon)

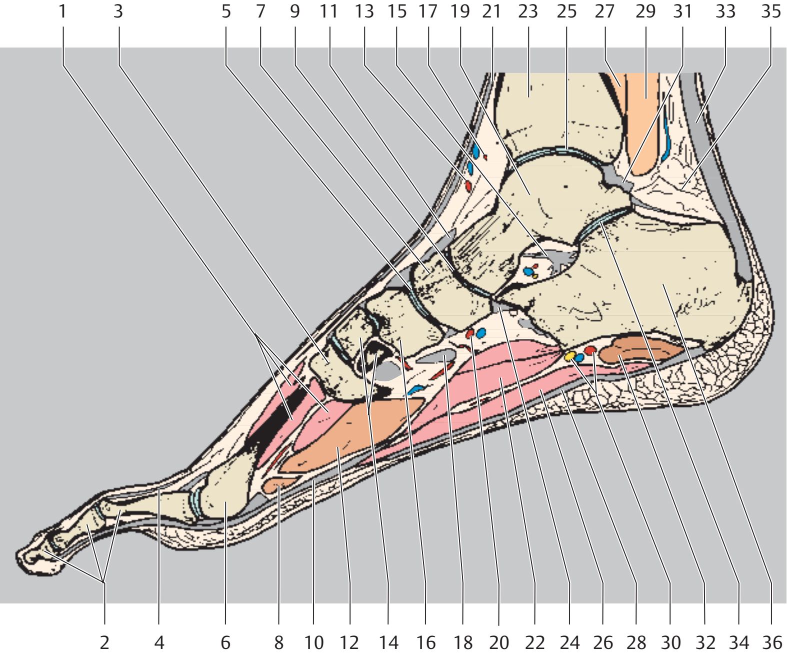




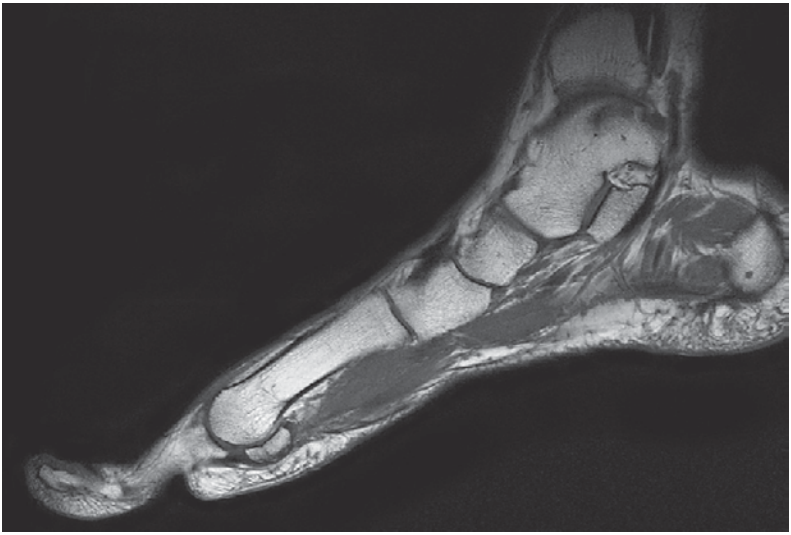
Proximal
Dorsal

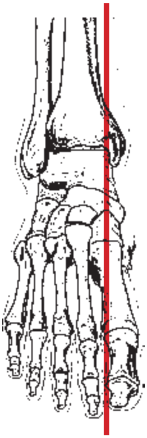
Anterior Posterior

Distal
Plantar



1 Interosseous muscle
2 Proximal, middle, and distal phalanx of second toe
3 Metatarsal I (base)
4 Extensor digitorum muscle (tendon)
5 Cuneonavicular joint
6 Metatarsal II (head)
7 Navicular
8 Adductor hallucis muscle (transverse head)
9 Talonavicular joint
10 Flexor digitorum longus muscle (tendon)
11 Talonavicular ligament
12 Adductor hallucis muscle (oblique head)
13 Medial tarsal artery
14 Medial cuneiform
15 Talocalcaneal interosseous ligament
16 Intermediate cuneiform
17 Anterior medial malleolar artery
18 Peroneus (fibularis) longus muscle (tendon)
19 Talus
20 Deep plantar arch
21 Extensor hallucis longus muscle (tendon)
22 Quadratus plantae muscle
23 Tibia
24 Plantar calcaneonavicular ligament
25 Talocrural joint
26 Flexor digitorum brevis muscle
27 Tibialis posterior muscle
28 Plantar aponeurosis
29 Flexor hallucis longus muscle
30 Lateral plantar artery, vein, and nerve
31 Posterior talofibular ligament
32 Abductor digiti minimi muscle
33 Achilles' tendon (calcaneal tendon)
34 Subtalar joint
35 Pre-Achilles' fat body
36 Calcaneus

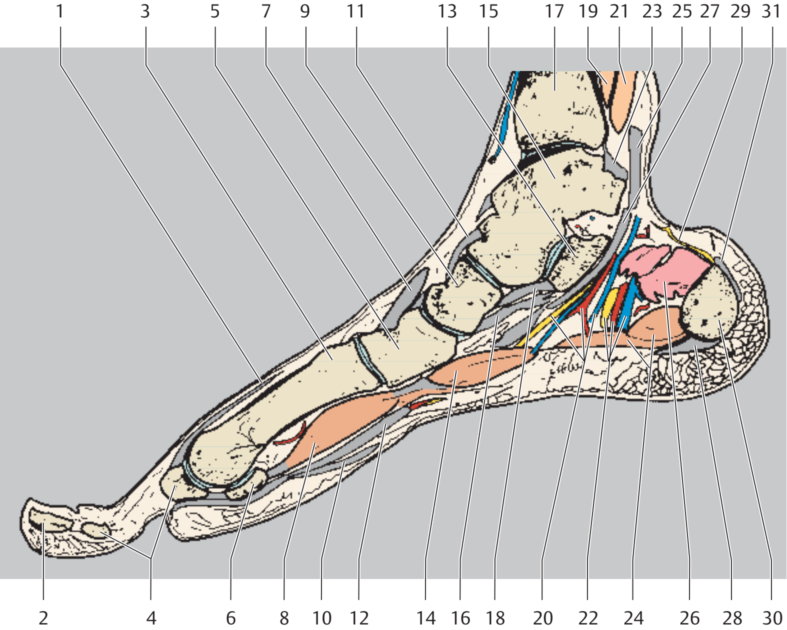




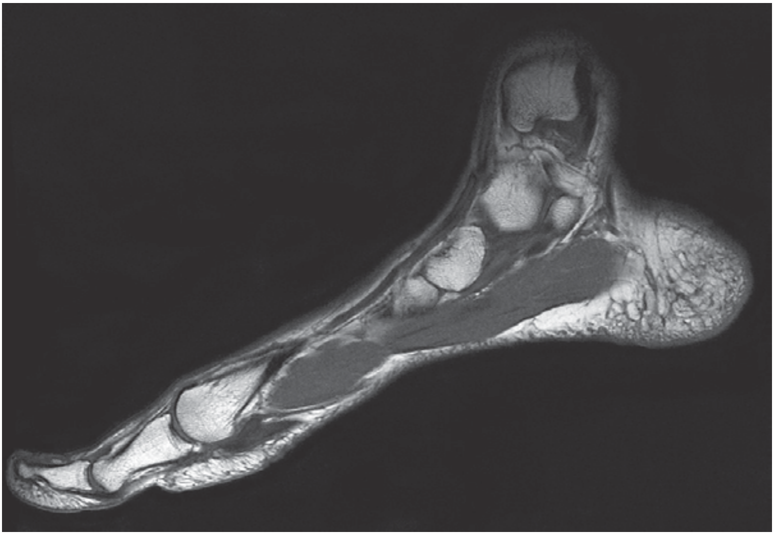
Proximal
Dorsal

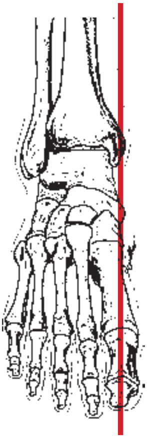
Anterior ☐ Posterior

Distal
Plantar



1 Extensor hallucis longus muscle
2 Distal phalanx I
3 Metatarsal I
4 Proximal phalanx I
5 Medial cuneiform
6 Sesamoid bone
7 Tibialis anterior muscle
8 Flexor hallucis brevis muscle (lateral head)
9 Navicular
10 Plantar aponeurosis
11 Talonavicular ligament
12 Flexor hallucis longus muscle (tendon)
13 Calcaneus
14 Flexor hallucis brevis muscle (medial head)
15 Talus
16 Tibialis posterior muscle (tendon)
17 Tibia
18 Spring ligament (plantar calcaneonavicular ligament)
19 Tibialis posterior muscle
20 Medial plantar artery, vein, and nerve
21 Flexor digitorum longus muscle (tendon)
22 Lateral plantar artery, vein, and nerve
23 Deltoid ligament (posterior tibiotalar part)
24 Abductor hallucis muscle
25 Flexor hallucis longus muscle (tendon)
26 Quadratus plantae muscle
27 Flexor digitorum longus muscle (tendon)
28 Plantar aponeurosis
29 Calcaneal anastomosis
30 Calcaneus (tuber)
31 Achilles' tendon (calcaneal tendon)

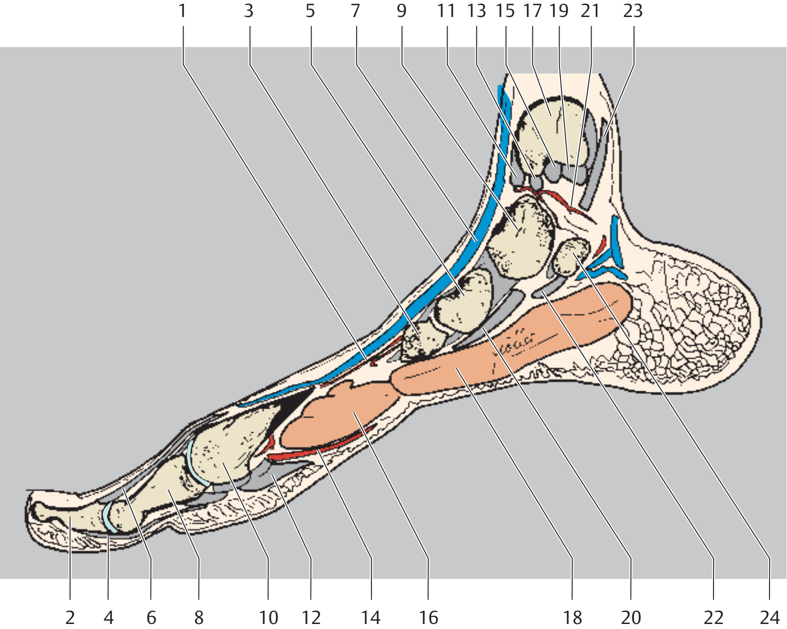




Proximal
Dorsal

Anterior ☐ Posterior

Distal
Plantar



1 Medial tarsal arteries
2 Distal phalanx I
3 Medial cuneiform
4 Flexor hallucis longus muscle (tendon)
5 Navicular
6 Extensor hallucis longus muscle
7 Dorsalis pedis vein (to great saphenous vein)
8 Proximal phalanx I
9 Talus
10 Metatarsal I (head)
11 Deltoid ligament (anterior tibiotalar part)
12 Plantar aponeurosis
13 Deltoid ligament (tibionavicular part)
14 Medial plantar artery and nerve (superficial branch)
15 Deltoid ligament (tibiocalcaneal part)
16 Flexor hallucis brevis muscle
17 Tibia (medial malleolus)
18 Abductor hallucis muscle
19 Deltoid ligament (posterior tibiotalar part)
20 Tibialis posterior muscle (tendon)
21 Posterior tibial artery (medial malleolar branches)
22 Flexor hallucis longus muscle (tendon)
23 Flexor digitorum longus muscle (tendon)
24 Calcaneus

- ■ Arteries
- ■ Nerves
- ■ Veins
- ■ Bones
- ■ Fatty tissue
- ■ Cartilage
- ■ Tendon
- ■ Disk, intervertebral cartilage
- ■ Fluid, cerebrospinal fluid
- ■ Lymph nodes
- ■ Esophagus
- ■ Liver, glands
- ■ Air

■ **Erector Spinae Muscles (Lateral Tract):**
Iliocostal
Longissimus
Splenius capitis and splenius cervicis
Intertransversarii
Levatores costarum

■ **Erector Spinae Muscles (Medial Tract):**
Spinal system: interspinous muscles
Spinalis thoracis, cervicis, and capitis
Transversospinal system: rotatores
breves and longi
Multifidus lumborum, thoracis, and cervicis
Semispinalis thoracis, cervicis, and capitis

■ Peroneus

■ **Short Muscles of Neck and Head Joints:**
Rectus capitis posterior major and minor
Obliquus capitis superior and inferior

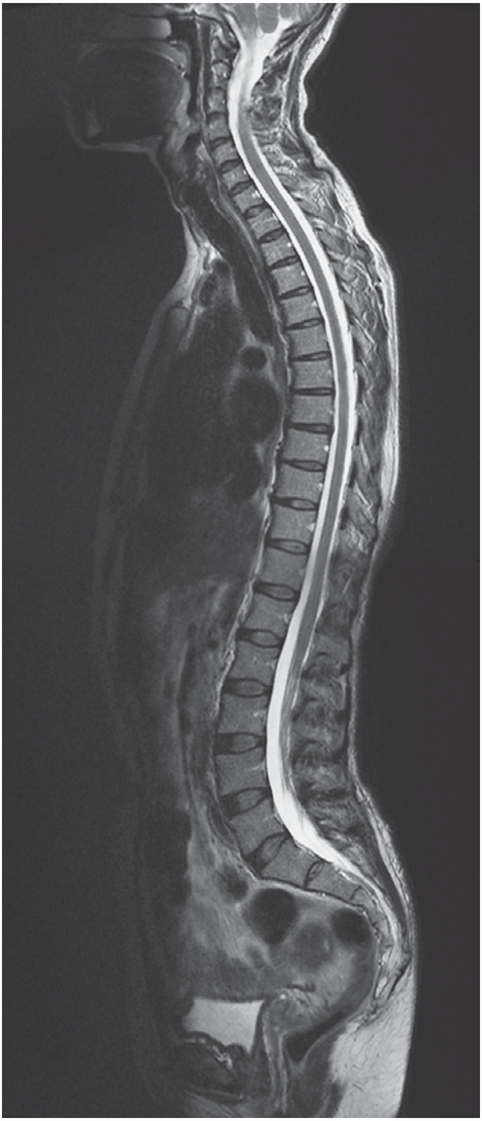
■ **Prevertebral Cervical Muscles:**
Longus capitis and longus colli
Rectus capitis lateralis and anterior

■ **Muscles of Thoracic Cage:**
External, internal, and inermost intercostals
Transversus thoracis
Subcostal
Scalenus anterior, medius, minimus, and posterior

■ **Muscles of the Trunk – Shoulder Girdle – Arm**
Rhomboideus major and minor
Sternocleidomastoid
Levator scapulae
Serratus anterior
Pectoralis major and minor
Trapezius

■ **Muscles of the Trunk – Leg – Abdomen**
Latissimus dorsi
Psoas
Quadratus lumborum
Quadratus lumborum
Piriformis
Glutaeus medius

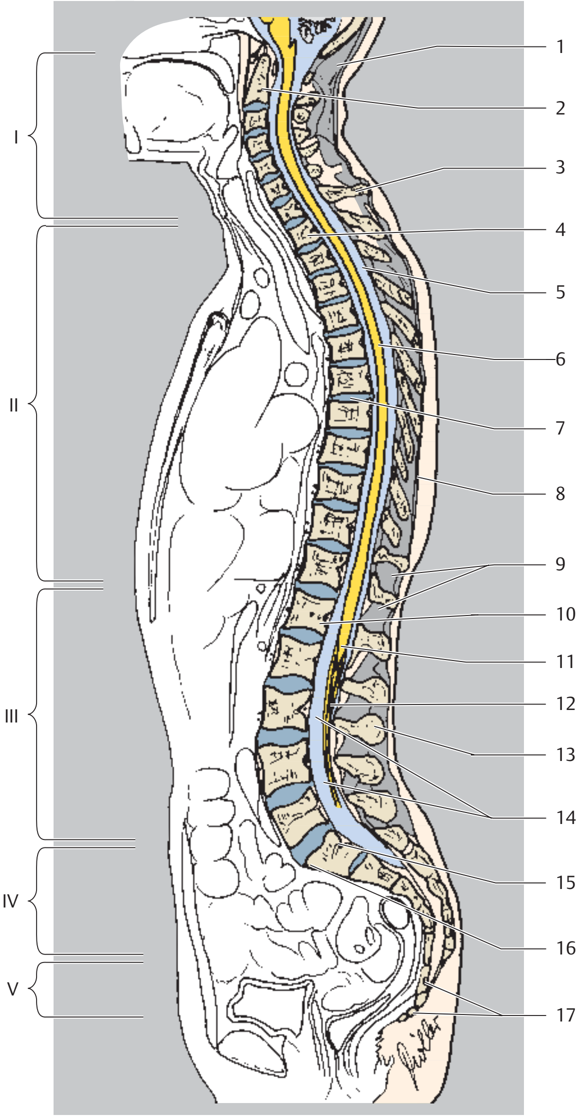
■ **Muscles of Face and Ventral Cervical Muscles:**
Digastric muscle
Stylohyoid
Sternohyoid



Cranial

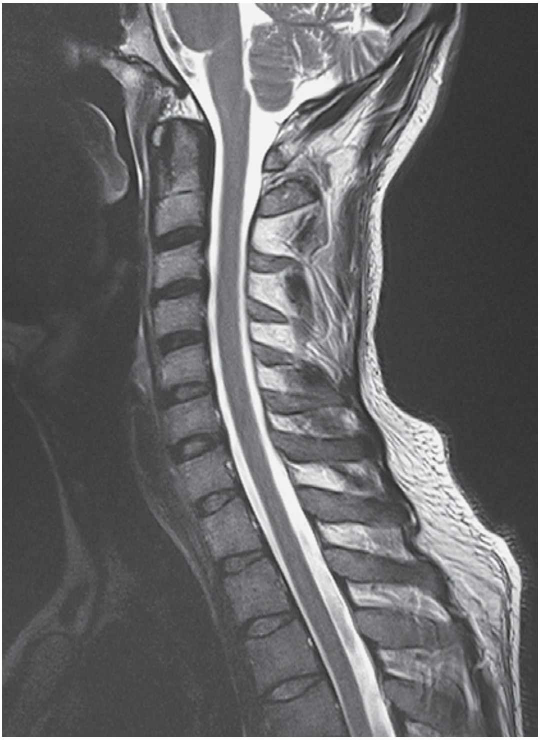
Ventral ☐ Dorsal

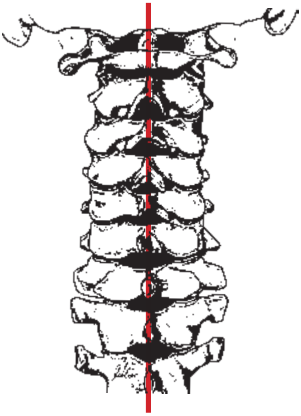
Caudal



1 Nuchal ligament
2 Dens axis, C2
3 Vertebra prominens, C7
4 Body of thoracic vertebra T1
5 Vertebral canal
6 Thoracic spinal cord
7 Intervertebral disk
8 Supraspinous ligament
9 Interspinous ligaments
10 Body of lumbar vertebra L1
11 Conus medullaris
12 Cauda equina
13 Spinous process
14 Thecal sac
15 Sacrum (S1)
16 Promontory of sacrum
17 Coccyx

I Cervical vertebrae C1–7
II Thoracic vertebrae T1–12
III Lumbar vertebrae L1–5
IV Sacrum (sacral vertebrae 1–5)
V Coccyx (coccygeal vertebrae 1–3 or 1–4)



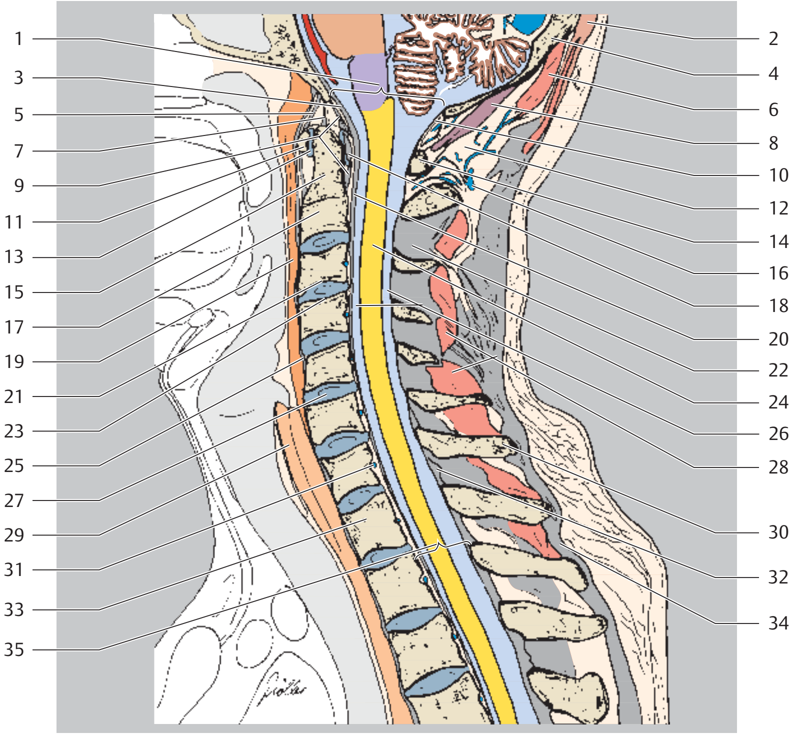


Cranial

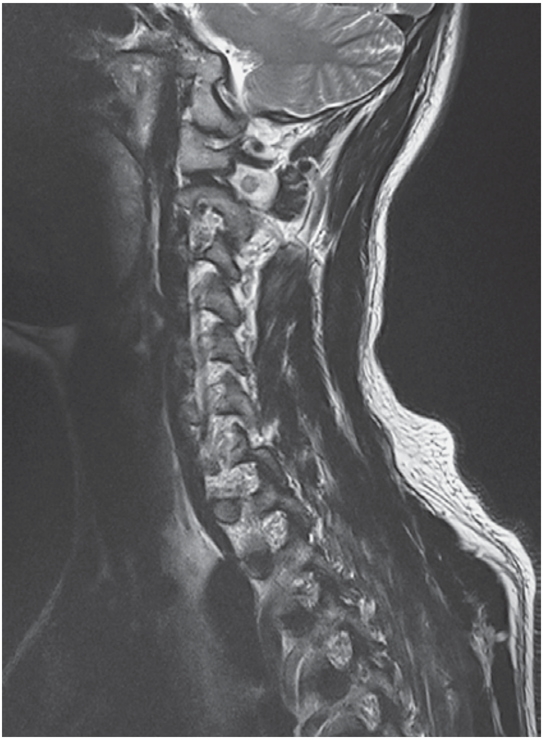
Ventral ☐ Dorsal

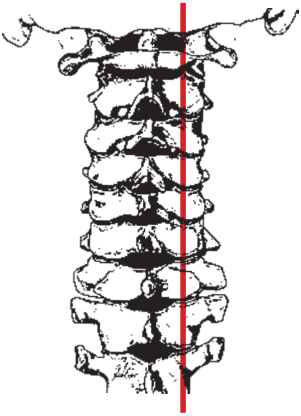
Caudal

1 Foramen magnum
2 Trapezius muscle (descending part)
3 Tectorial membrane
4 Occipital bone
(internal occipital protuberance)



5 Anterior atlanto-occipital membrane
6 Semispinalis capitis muscle
7 Apical ligament of dens
8 Rectus capitis posterior minor muscle
9 Longitudinal fasciculi
10 Posterior atlanto-occipital membrane
11 Atlas (anterior arch)
12 Suboccipital fatty tissue
13 Median atlanto-axial joint
14 Atlas (posterior arch)
15 Axis (dens)
16 Deep cervical veins
17 Axis (vertebral body)
18 Transverse ligament of atlas
19 Longus capitis muscle
20 Posterior longitudinal ligament
21 Inferior vertebral endplate C3
22 Interspinous ligament
23 Superior vertebral endplate C4
24 Cervical spinal cord
25 Anterior longitudinal ligament
26 Premedullary and postmedullary subarachnoid space
27 Intervertebral disk
28 Interspinales muscles
29 Esophagus
30 Spinous process C7
31 Basivertebral veins
32 Ligamentum flavum
33 Thoracic vertebral body T1
34 Supraspinous ligament
35 Bony vertebral canal



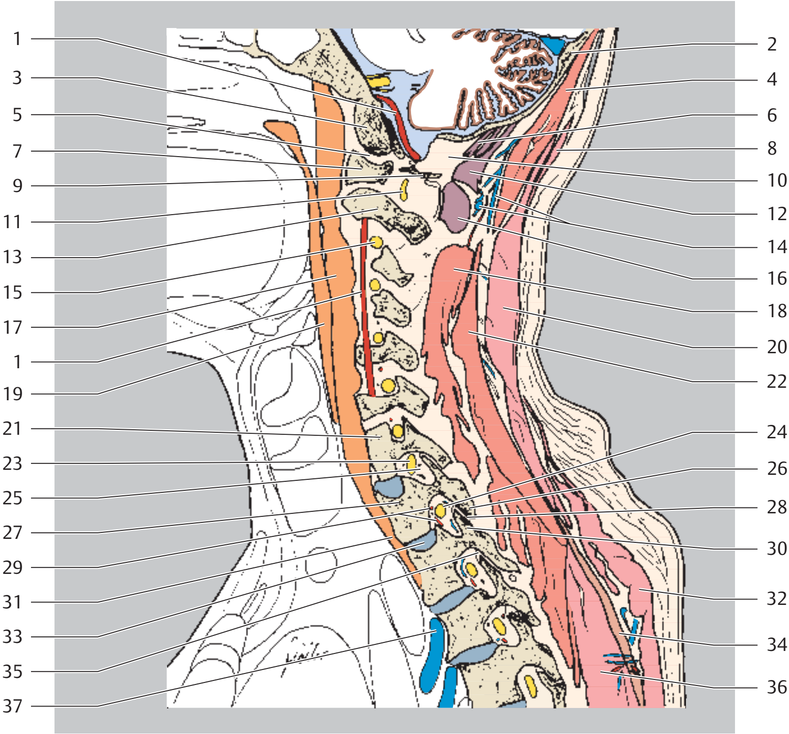


Cranial

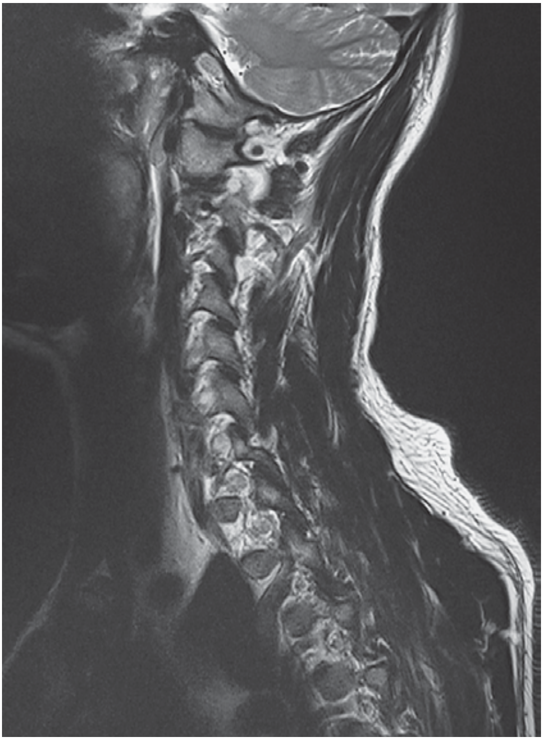
Ventral ☐ Dorsal

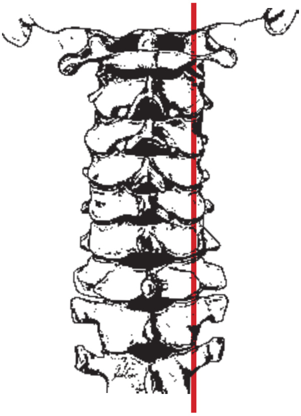
Caudal

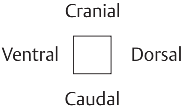
1 Vertebral artery
2 Occipital bone
3 Occipital condyle
4 Semispinalis capitis muscle
5 Atlanto-occipital joint

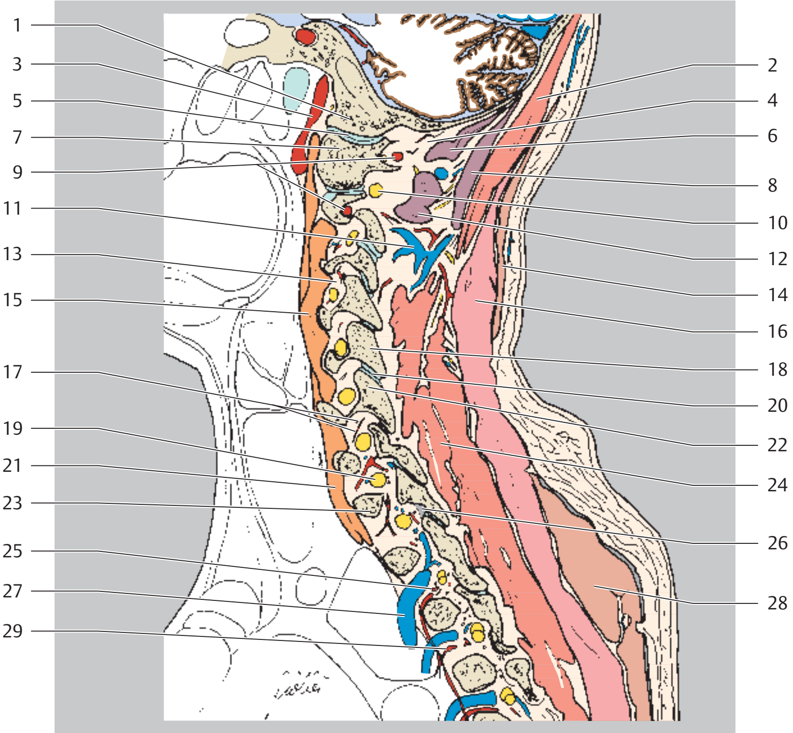


6 Rectus capitis posterior minor muscle
7 Atlas (lateral mass)
8 Trapezius muscle (descending part)
9 Atlas (posterior arch)
10 Suboccipital fatty tissue
11 Spinal nerve C2
12 Rectus capitis posterior major muscle
13 Axis (body)
14 Deep cervical veins
15 Spinal ganglion C3
16 Obliquus capitis inferior muscle
17 Longus capitis muscle
18 Spinalis cervicis and multifidus muscles
19 Palatopharyngeus muscle
20 Splenius capitis muscle
21 Body of cervical vertebra C7
22 Semispinalis cervicis muscle
23 Spinal ganglion C8
24 Spinal ganglion T1
25 Intervertebral foramen
26 Inferior articular process
27 First thoracic vertebral body
28 Zygapophyseal joint
29 Posterior intercostal artery (spinal and radicular branches of dorsal branch)
30 Superior articular process
31 Longus colli muscle
32 Trapezius muscle (transverse part)
33 Intervertebral disk
34 Rhomboid muscle
35 Ligamentum flavum
36 Splenius cervicis muscle
37 Posterior intercostal vein

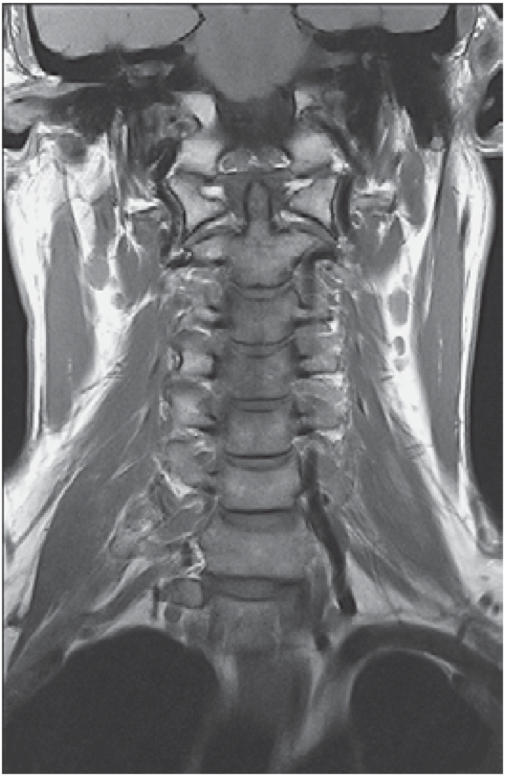


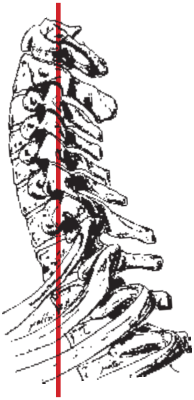



Cranial
Ventral
Dorsal
Caudal



1 Occipital condyle
2 Semispinalis capitis muscle
3 Internal carotid artery
4 Suboccipital fatty tissue
5 Atlanto-occipital joint
6 Rectus capitis posterior minor muscle
7 Atlas (lateral mass)
8 Rectus capitis posterior major muscle
9 Vertebral artery
10 Spinal nerve C2
11 Deep cervical veins
12 Obliquus capitis inferior muscle
13 Intervertebral foramen
14 Trapezius muscle (descending part)
15 Longus capitis muscle
16 Splenius capitis muscle
17 Vertebral artery (spinal and radicular branches)
18 Inferior articular process
19 Spinal ganglion C8
20 Zygapophyseal joint
21 Longus colli muscle
22 Superior articular process
23 First thoracic vertebral body
24 Spinalis cervicis and multifidus muscles
25 Posterior intercostal artery (spinal and radicular branches of dorsal branch)
26 Ligamentum flavum
27 Posterior intercostal vein
28 Trapezius muscle (transverse part)
29 Posterior intercostal artery (dorsal branch)



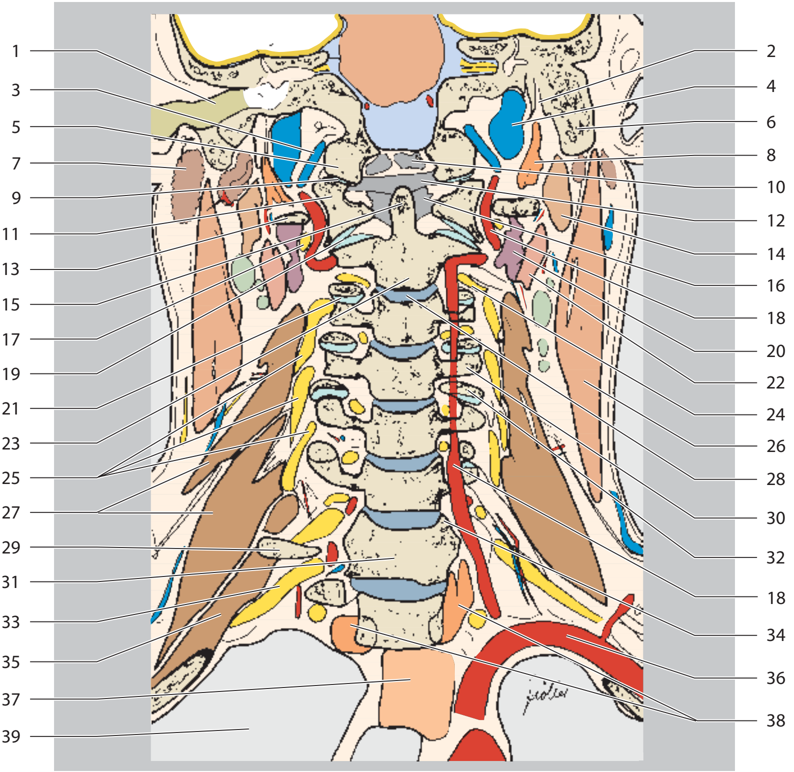


Cranial

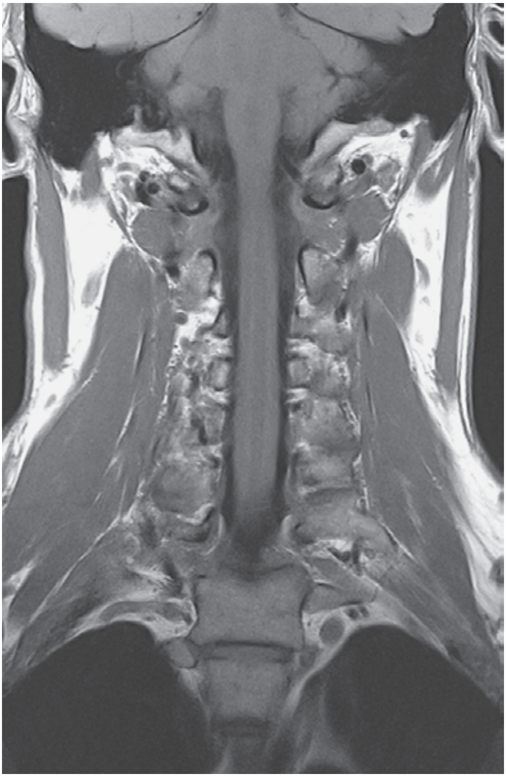
Right Left

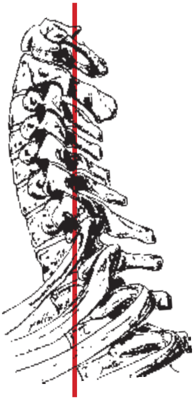
Caudal

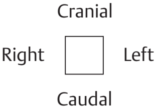
1 External auditory canal
2 Stylomastoid foramen
3 Vertebral vein
4 Internal jugular vein
5 Occipital condyle
6 Mastoid process



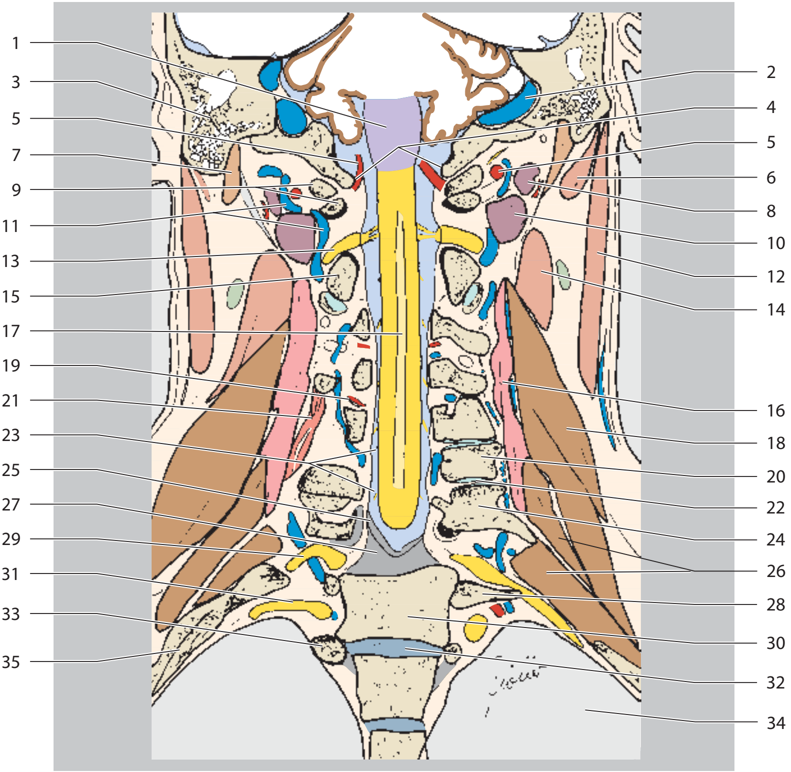
7 Parotid gland
8 Rectus capitis lateralis muscle
9 Atlanto-occipital joint
10 Tectorial membrane
11 Atlas (lateral mass)
12 Transverse ligament
13 Atlas (transverse process)
14 Digastric muscle (posterior belly)
15 Axis (dens)
16 Alar ligaments
17 Spinal nerve C2
18 Vertebral artery
19 Lateral atlantoaxial joint
20 Obliquus capitis inferior muscle
21 Zygapophyseal joint
22 Levator scapulae muscle
23 Axis (vertebral body)
24 Spinal ganglion C3
25 Cervical plexus
26 Sternocleidomastoid muscle
27 Scalenus medius muscle
28 Intervertebral disk (C2/C3)
29 Transverse process C7
30 Superior articular process C4
31 Cervical vertebral body C7
32 Inferior articular process
33 Spinal nerve C8
34 Uncinate process C7
35 Scalenus posterior muscle
36 Subclavian artery
37 Esophagus
38 Longus colli muscle
39 Lung



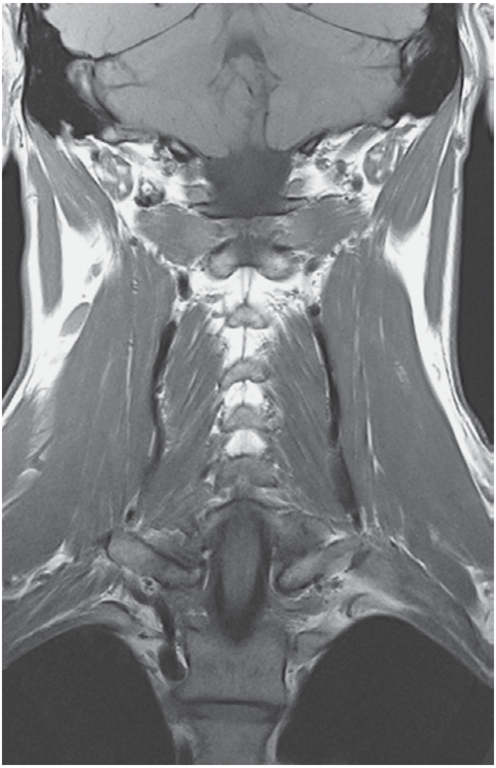


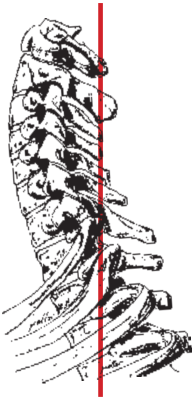

Cranial
Right
Left
Caudal

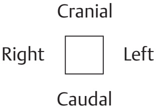
1 Medulla oblongata
2 Sigmoid sinus
3 Mastoid process
4 Foramen magnum
5 Vertebral artery
6 Splenius capitis muscle
7 Digastric muscle (posterior belly)

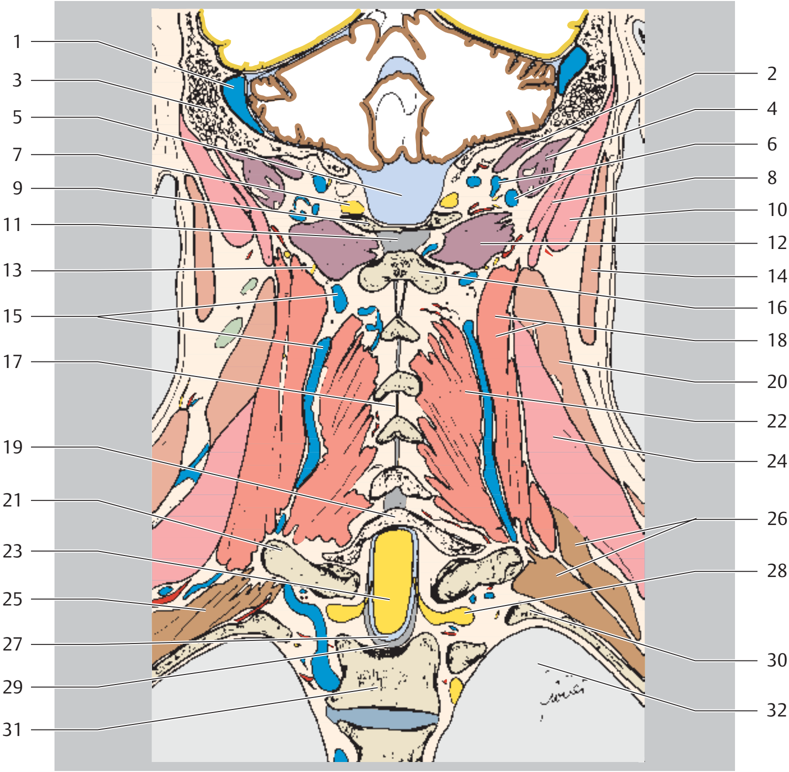


8 Obliquus capitis superior muscle
9 Atlas (posterior arch)
10 Obliquus capitis inferior muscle
11 Vertebral artery
12 Sternocleidomastoid muscle
13 Spinal ganglion C2
14 Levator scapulae muscle
15 Axis (vertebral arch)
16 Splenius cervicis muscle
17 Spinal cord (cervical pulp with central canal)
18 Scalenus medius muscle
19 Posterior intercostal artery (spinal and radicular branches of dorsal branch)
20 Inferior articulate process C6
21 Semispinalis cervicis muscle
22 Zygapophyseal joint
23 Cerebrospinal fluid in spinal canal
24 Superior articular process C7
25 Spinal dura mater
26 Scalenus posterior muscle
27 Posterior longitudinal ligament
28 First rib (neck)
29 Spinal nerve C8
30 Thoracic vertebral body T1
31 Spinal nerve T1
32 Intervertebral disk
33 Second rib (head)
34 Left lung
35 First rib (body)

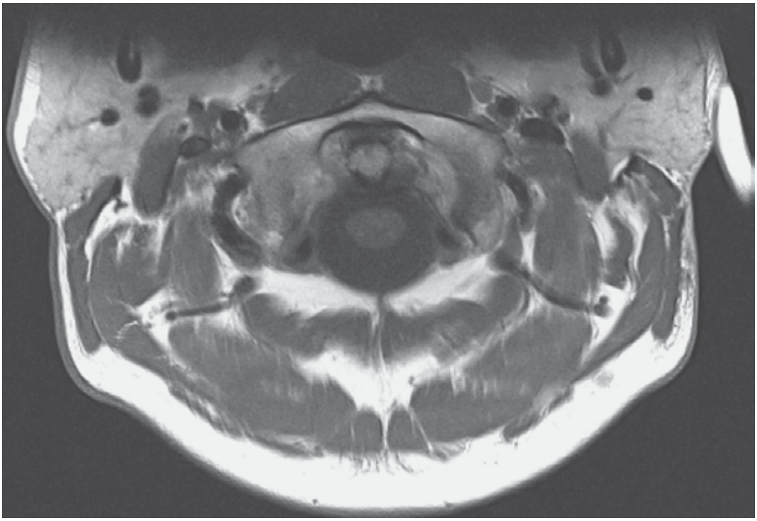


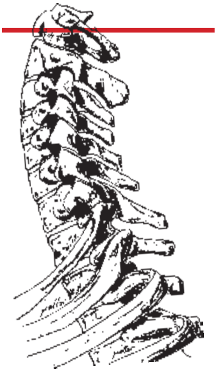


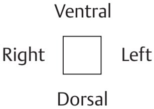

Cranial
Right
Left
Caudal

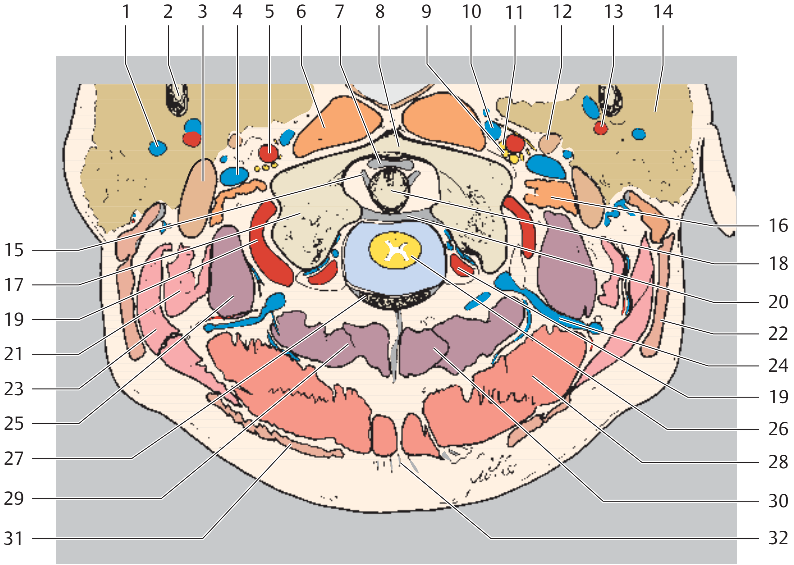


1 Sigmoid sinus
2 Rectus capitis posterior major muscle
3 Mastoid process
4 Obliquus capitis superior muscle
5 Cisterna magna
6 Suboccipital venous plexus
7 Suboccipital nerve
8 Longissimus capitis muscle
9 Atlas (posterior arch)
10 Splenius capitis muscle
11 Nuchal ligament
12 Obliquus capitis inferior muscle
13 Major occipital nerve
14 Sternocleidomastoid muscle
15 Deep cervical vein
16 Spinous process C2
17 Interspinous ligament
18 Semispinalis cervicis muscle
19 Vertebral arch C7
20 Levator scapulae muscle
21 First rib (neck and tubercle)
22 Spinalis cervicis and multifidus muscles
23 Thoracic spinal cord
24 Splenius cervicis muscle
25 Intercostal muscles
26 Scalenus posterior muscle
27 Cerebrospinal fluid in vertebral canal
28 Spinal ganglion T1
29 Spinal dura mater and posterior longitudinal ligament
30 Second rib
31 Second thoracic vertebral body
32 Left lung

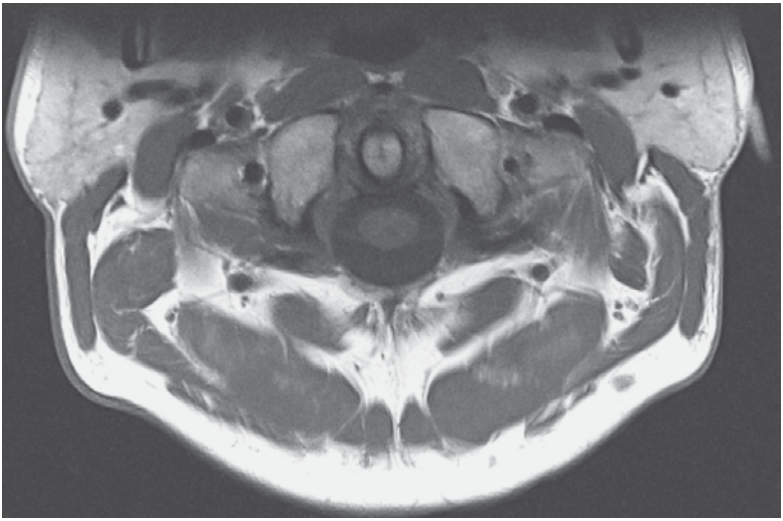


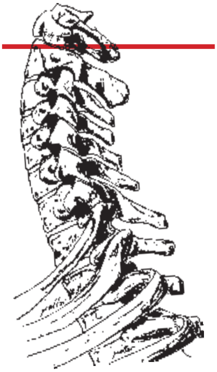



Ventral
Right
Left
Dorsal



1 Retromandibular vein
2 Mandible
3 Digastric muscle (posterior belly)
4 Internal jugular vein
5 Internal carotid artery
6 Longus capitis muscle
7 Median atlantoaxial joint
8 Atlas (anterior arch)
9 Hypoglossal nerve (XII)
10 Pterygoid venous plexus
11 Vagus nerve (X)
12 Stylohyoid muscle
13 Maxillary artery (mandibular part)
14 Parotid gland
15 Alar ligaments
16 Rectus capitis lateralis muscle
17 Lateral mass of atlas
18 Dens of axis
19 Vertebral artery
20 Cruciate ligament of atlas (Longitudinal bands and transverse ligament of atlas)
21 Longissimus capitis muscle
22 Sternocleidomastoid muscle
23 Splenius capitis muscle
24 Deep cervical vein
25 Obliquus capitis superior muscle
26 Spinal cord
27 Atlas (posterior arch)
28 Semispinalis capitis muscle
29 Rectus capitis posterior major muscle
30 Rectus capitis posterior minor muscle
31 Trapezius muscle
32 Nuchal ligament

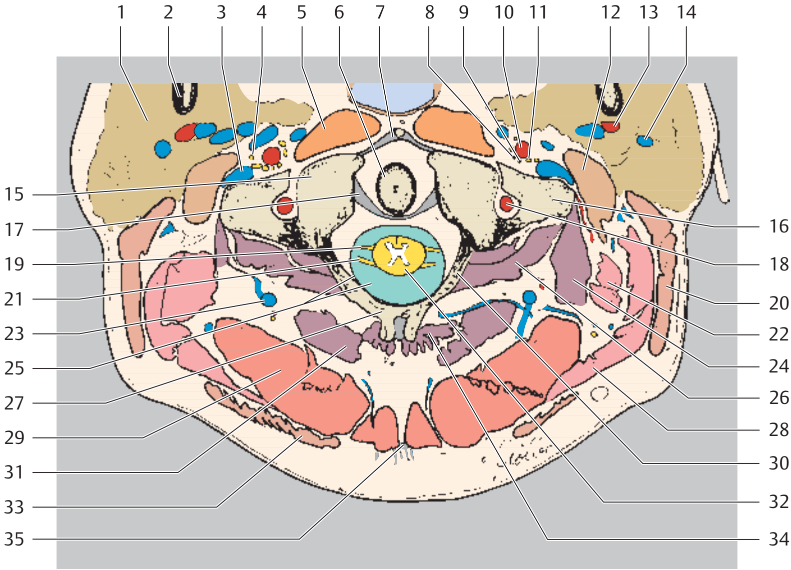




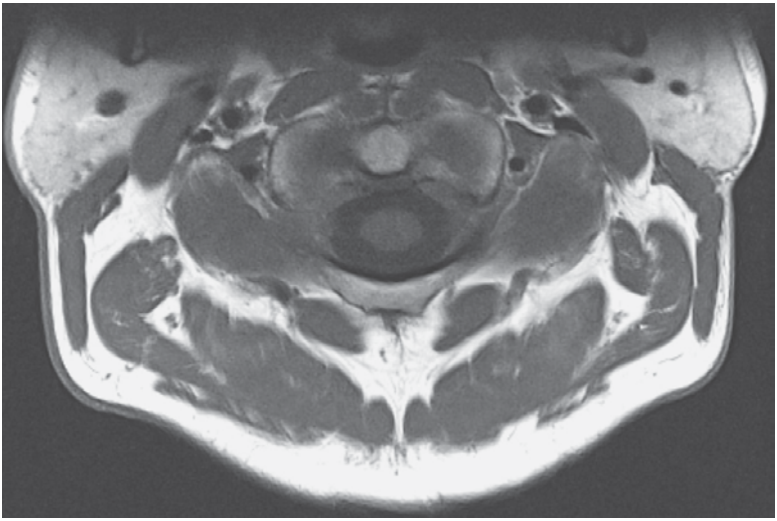
Ventral

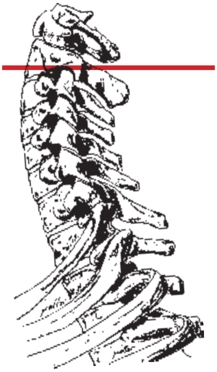
Right Left

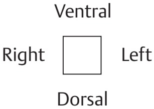
Dorsal

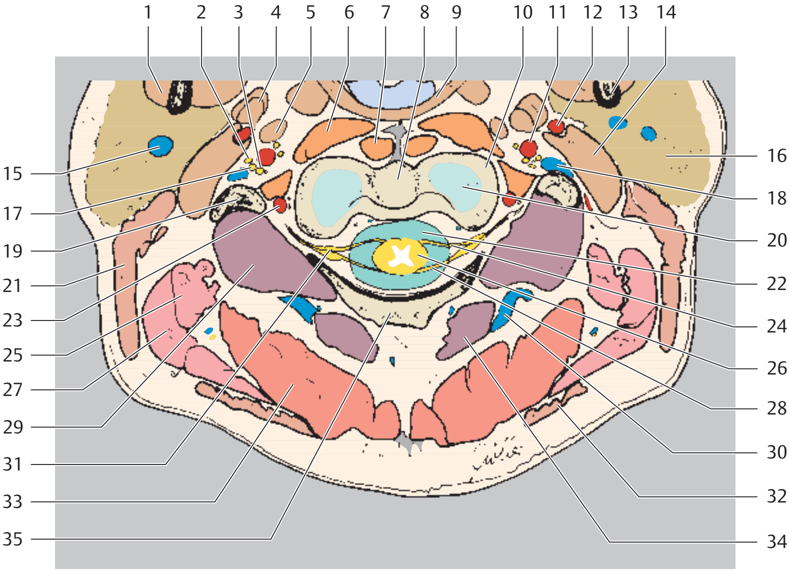


1	Parotid gland
2	Mandible (ramus)
3	Internal jugular vein
4	Glossopharyngeal nerve (IX)
5	Longus capitis muscle
6	Dens of axis
7	Anterior longitudinal ligament
8	Vagus nerve (X)
9	Hypoglossal nerve (XII)
10	Internal carotid artery
11	Accessory nerve (XI)
12	Digastric muscle (posterior belly)
13	Maxillary artery (mandibular part)
14	Retromandibular vein
15	Atlas (lateral mass)
16	Atlas (transverse process)
17	Transverse ligament of atlas
18	Vertebral artery
19	Ventral root
20	Sternocleidomastoid muscle
21	Dorsal root
22	Longissimus capitis muscle
23	Deep cervical vein
24	Obliquus capitis superior muscle
25	Dura mater and cerebrospinal fluid (subarachnoid space)
26	Obliquus capitis inferior muscle
27	Spinous process
28	Splenius capitis muscle
29	Semispinalis capitis muscle
30	Axis (posterior arch)
31	Rectus capitis posterior major muscle
32	Spinal cord
33	Trapezius muscle
34	Rectus capitis posterior minor muscle
35	Nuchal ligament

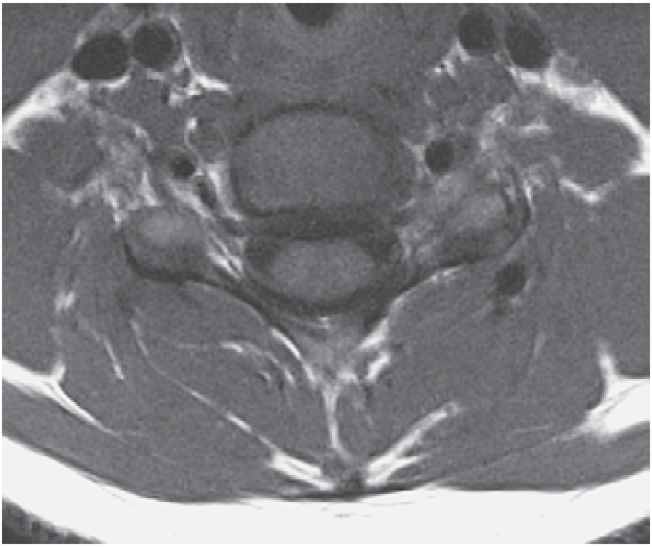


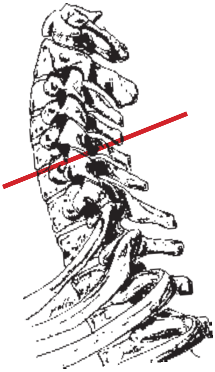



Ventral
Right
Left
Dorsal



1 Medial pterygoid muscle
2 Vagus nerve (X)
3 Accessory nerve (XI)
4 Styloglossus muscle
5 Stylopharyngeus muscle
6 Longus capitis muscle
7 Longus colli muscle
8 Axis (body)
9 Superior constrictor muscle of pharynx
10 Atlas (articular process)
11 Internal carotid artery
12 External carotid artery
13 Mandible (ramus)
14 Digastric muscle (posterior belly)
15 Retromandibular vein
16 Parotid gland
17 Hypoglossal nerve (XII)
18 Internal jugular vein
19 Atlas (transverse process)
20 Axis (body)
21 Sternocleidomastoid muscle
22 Premedullary subarachnoid space
23 Vertebral artery
24 Ventral root of 2nd spinal nerve
25 Longissimus capitis muscle
26 Spinal cord
27 Splenius capitis muscle
28 Dorsal root of 2nd spinal nerve
29 Obliquus capitis inferior muscle
30 Deep cervical vein
31 Spinal ganglion (nerve root)
32 Trapezius muscle
33 Semispinalis capitis muscle
34 Rectus capitis posterior major muscle
35 Axis (posterior arch)

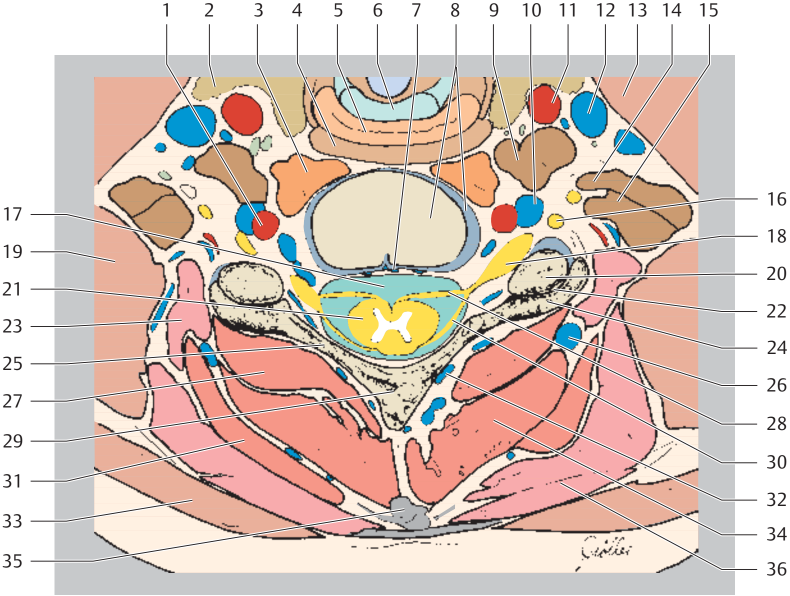




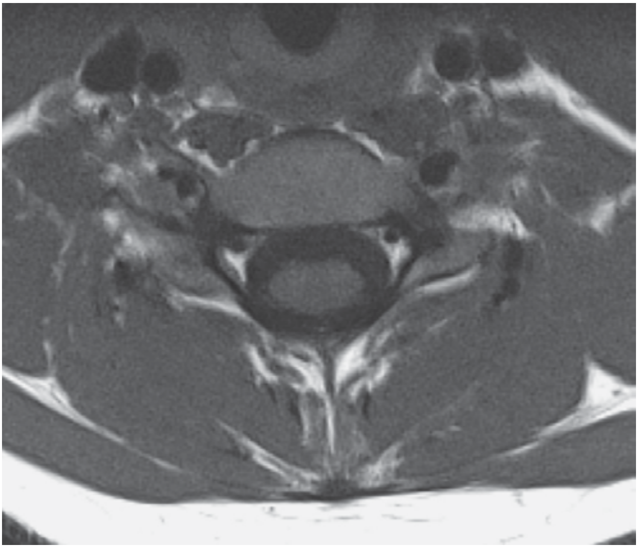
Ventral

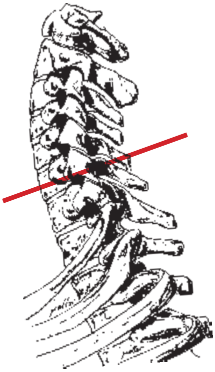
Right ☐ Left

Dorsal



1	Vertebral artery	19	Levator scapulae muscle
2	Thyroid gland	20	Superior articular process
3	Longus colli muscle	21	Spinal cord
4	Superior constrictor muscle of pharynx	22	Zygapophyseal joint
5	Esophagus	23	Longissimus cervicis muscle
6	Cricoid cartilage	24	Inferior articular process
7	Basivertebral veins	25	Posterior vertebral arch C5 (lamina)
8	Cervical vertebral body C5 and intervertebral space C5/C6	26	Deep cervical vein
9	Scalenus anterior muscle	27	Spinalis cervicis and multifidus muscles
10	Vertebral vein	28	Ventral root C6
11	Common carotid artery	29	Spinous process
12	Internal jugular vein	30	Dorsal root C6
13	Sternocleidomastoid muscle	31	Semispinalis capitis muscle
14	Scalenus medius muscle	32	Posterior external vertebral venous plexus
15	Scalenus posterior muscle	33	Trapezius muscle
16	Spinal nerve C5	34	Semispinalis cervicis muscle
17	Premedullary subarachnoid space	35	Nuchal ligament
18	Spinal ganglion (nerve root)	36	Splenius capitis muscle

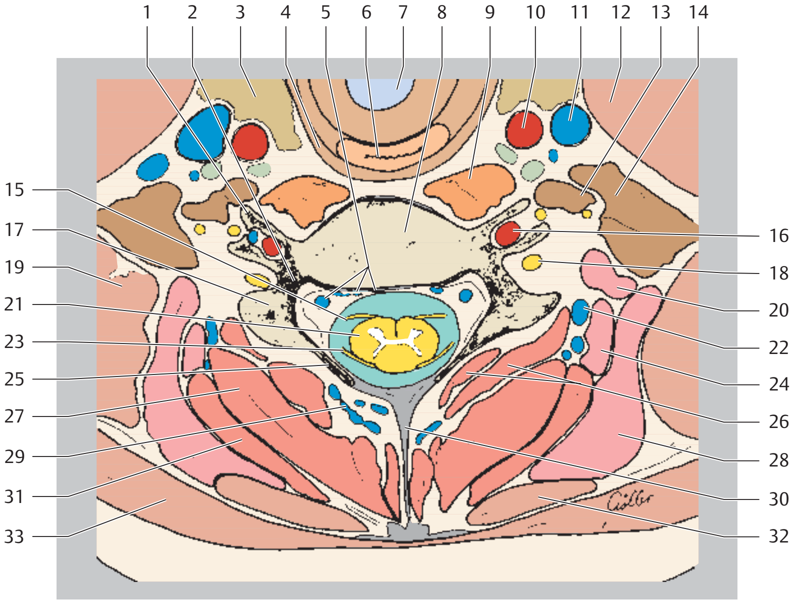




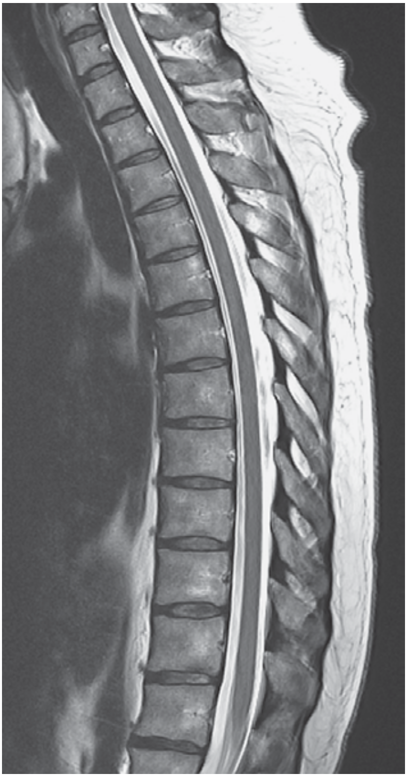
Ventral

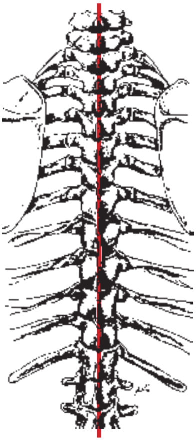
Right ☐ Left

Dorsal



1 Transverse process
2 Pedicle of vertebral arch
3 Thyroid gland
4 Superior constrictor muscle of pharynx
5 Anterior internal vertebral venous plexus
6 Esophagus
7 Larynx
8 Cervical vertebral body C6
9 Longus colli muscle
10 Common carotid artery
11 Internal jugular vein
12 Sternocleidomastoid muscle
13 Scalenus anterior muscle
14 Scalenus medius muscle
15 Ventral root C7
16 Vertebral artery
17 Articular process
18 Spinal nerve C6
19 Levator scapulae muscle
20 Longissimus capitis muscle
21 Spinal cord
22 Deep cervical vein
23 Dorsal root C7
24 Longissimus cervicis muscle
25 Posterior vertebral arch C6 (lamina)
26 Spinalis cervicis and multifidus muscles
27 Semispinalis cervicis muscle
28 Splenius cervicis muscle
29 Posterior external vertebral venous plexus
30 Nuchal ligament
31 Splenius capitis muscle
32 Rhomboid minor muscle
33 Trapezius muscle

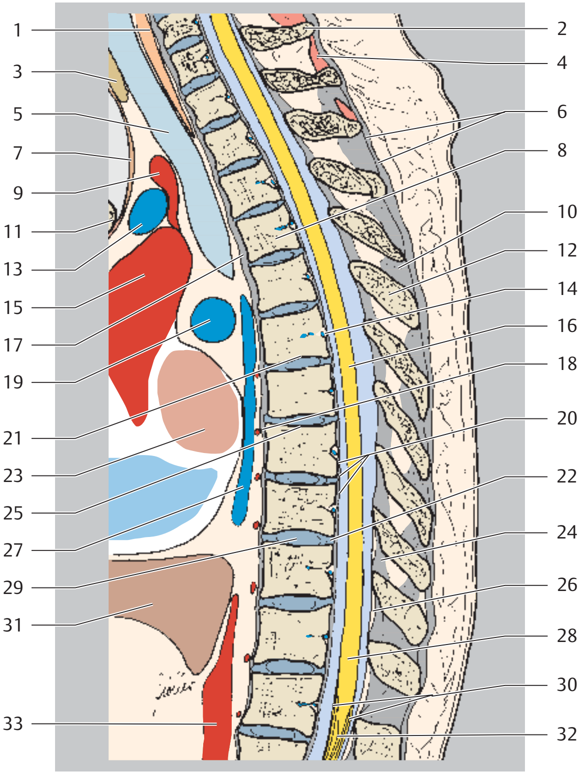




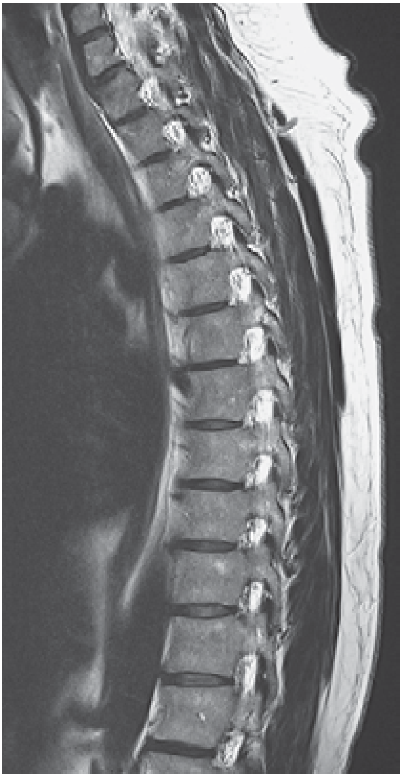
Cranial

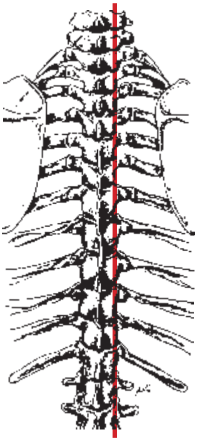
Ventral ☐ Dorsal

Caudal



1 Esophagus
2 Vertebra prominens C7
3 Thyroid gland
4 Interspinalis cervicis muscle
5 Trachea
6 Supraspinous ligament
7 Sternohyoid muscle
8 Thoracic vertebral body T4
9 Brachiocephalic trunk
10 Interspinous ligament
11 Sternum (manubrium)
12 Spinous process
13 Left brachiocephalic vein
14 Basivertebral vein
15 Ascending aorta
16 Thoracic spinal cord
17 Anterior longitudinal ligament
18 Posterior intercostal artery
19 Pulmonary artery
20 Posterior longitudinal ligament
21 Inferior vertebral endplate T6
22 Intervertebral disk T9/T10 (anulus fibrosus)
23 Left atrium
24 Ligamentum flavum
25 Superior vertebral endplate T7
26 Epidural fatty tissue (retrospinal fat)
27 Azygos vein
28 Conus medullaris
29 Intervertebral disk T9/T10 (nucleus pulposus)
30 Cauda equina
31 Liver
32 Filum terminale
33 Descending aorta



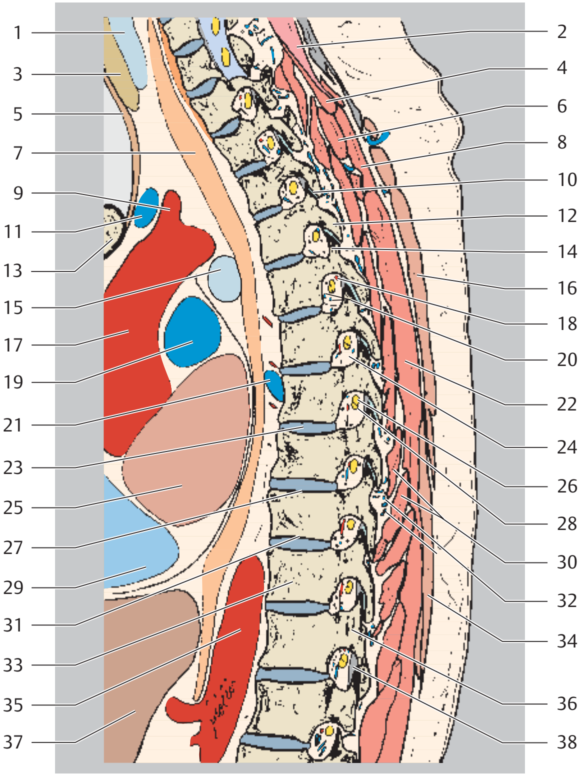


Cranial

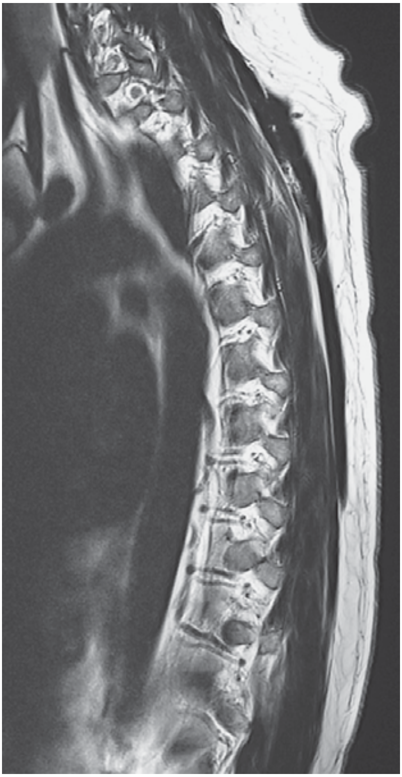
Ventral ☐ Dorsal

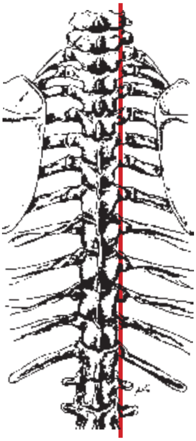
Caudal

1 Trachea
2 Splenius cervicis muscle
3 Thyroid gland
4 Semispinalis capitis muscle
5 Sternohyoid muscle
6 Serratus posterior superior muscle
7 Esophagus
8 Rhomboid major muscle
9 Brachiocephalic trunk



10 Zygapophyseal joint T3/T4
11 Left brachiocephalic vein
12 Inferior articular process T4
13 Sternum (manubrium)
14 Superior articular process T5
15 Left main bronchus
16 Trapezius muscle
17 Ascending aorta
18 Posterior intercostal artery (spinal branch)
19 Pulmonary artery
20 Intervertebral vein
21 Hemiazygos vein
22 Erector spinae muscle
23 Intervertebral disk T7/T8
24 Intervertebral foramen
25 Left atrium
26 Spinal ganglion (dorsal root)
27 Superior vertebral endplate T9
28 Spinal ganglion (ventral root)
29 Right atrium
30 Multifidus and semispinalis thoracis muscles
31 Inferior vertebral endplate T9
32 Posterior external vertebral venous plexus
33 Thoracic vertebral body T10
34 Latissimus dorsi muscle
35 Descending aorta
36 Pedicle of vertebral arch (interarticular portion)
37 Liver
38 Ligamentum flavum

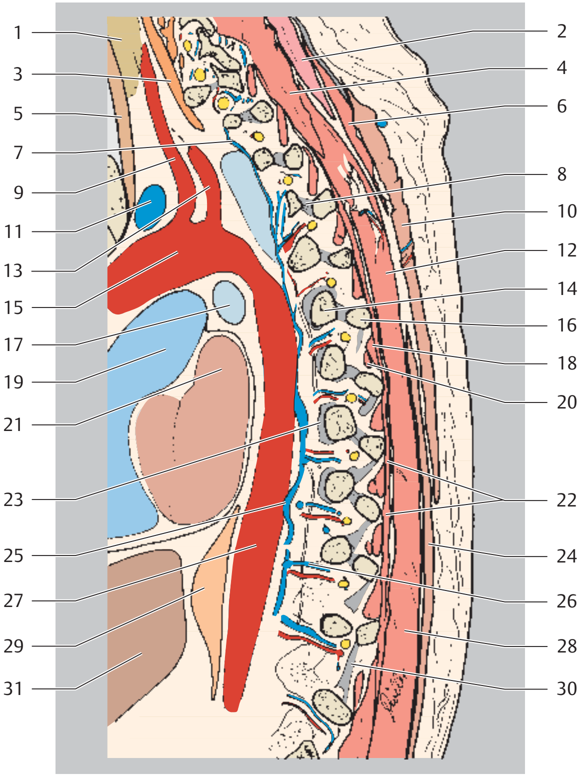




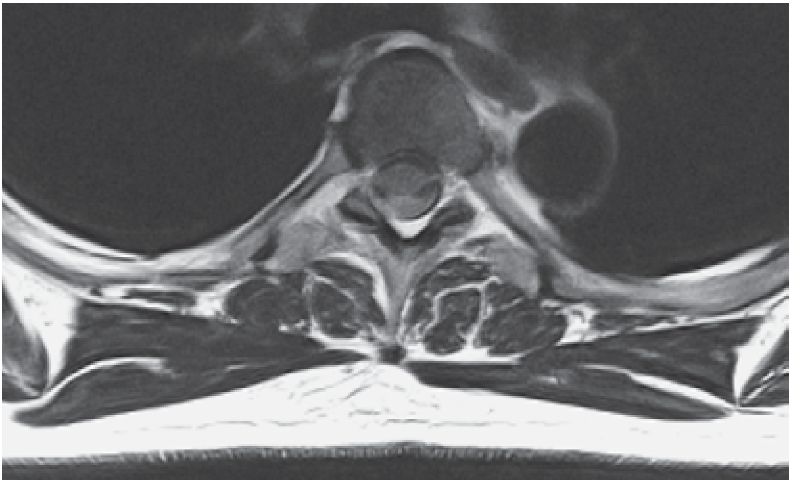
Cranial

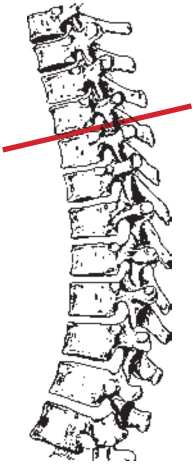
Ventral ☐ Dorsal

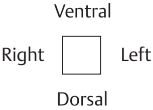
Caudal

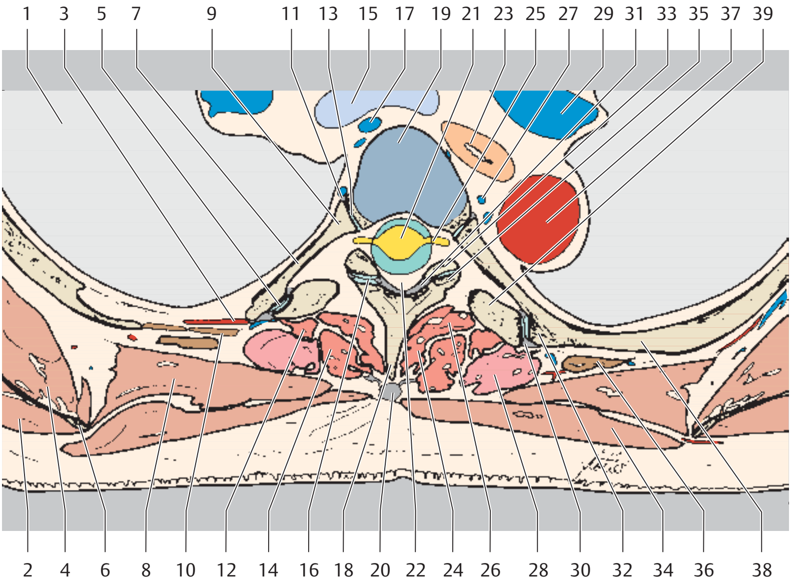


1 Thyroid gland
2 Splenius cervicis muscle
3 Longus capitis muscle
4 Spinalis cervicis muscle and multifidus muscle
5 Sternohyoid muscle
6 Rhomboid major muscle
7 Accessory hemiazygos vein
8 Costotransverse ligament
9 Common carotid artery
10 Trapezius muscle
11 Left brachiocephalic vein
12 Spinalis thoracis muscle
13 Subclavian artery
14 Sixth rib (head)
15 Aortic arch
16 Transverse process T6
17 Left main bronchus
18 Intertransversarius muscle
19 Pulmonary trunk
20 Rotatores muscles
21 Left atrium
22 Multifidus muscle
23 Radiate ligament of head of rib T8
24 Latissimus dorsi muscle
25 Hemiazygos vein
26 Posterior intercostal artery and vein (dorsal branch)
27 Descending aorta
28 Erector spinae muscle
29 Esophagus
31 Liver

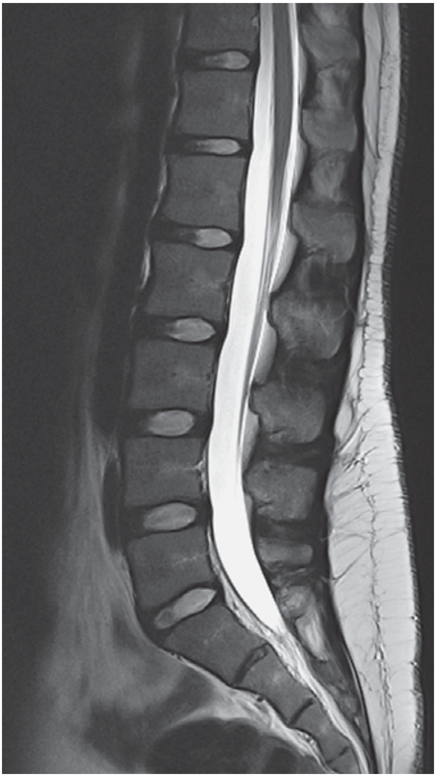


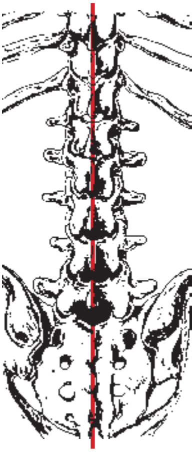


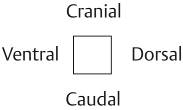

Ventral
Right
Left
Dorsal

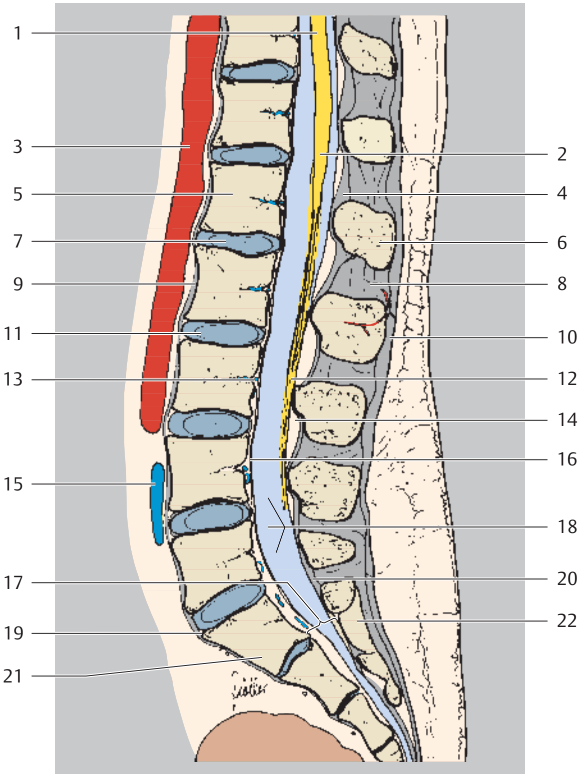


1 Right lung
2 Infraspinatus muscle
3 Intercostal artery
4 Subscapularis muscle
5 Costotransverse joint
6 Scapula
7 Rib (neck)
8 Rhomboid major muscle
9 Fifth rib (head)
10 Intercostal muscles
11 Radiate ligament of head of rib
12 Rotatores thoracis muscles
13 Joint of head of rib
14 Semispinalis thoracis muscle
15 Trachea (bifurcation)
16 Zygapophyseal joint T4/T5
17 Azygos vein
18 Spinous process
19 Intervertebral disk T4/T5
20 Supraspinous ligament
21 Thoracic spinal cord
22 Retrospinal fatty triangle (epidural fat)
23 Esophagus
24 Spinalis thoracis muscle
25 Spinal ganglion
26 Multifidus muscle
27 Accessory hemiazygos vein
28 Longissimus thoracis muscle
29 Left pulmonary artery
30 Costotransverse ligament (lateral)
31 Ligamentum flavum
32 Fifth rib (tubercle)
33 Superior articular process T5
34 Trapezius muscle
35 Inferior articular process T4
36 Iliocostalis thoracis muscle
37 Descending aorta
38 Fifth rib (body)
39 Transverse process T5

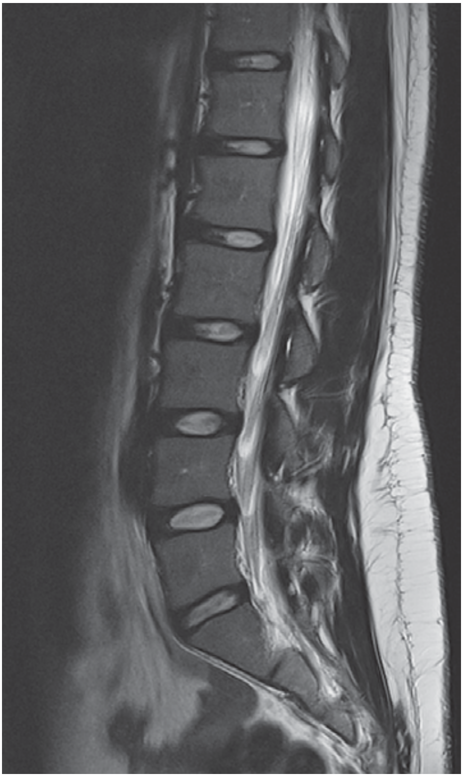


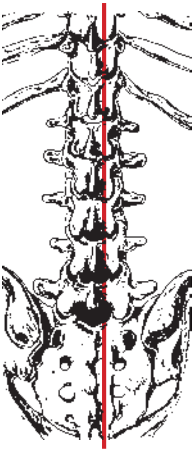



Cranial
Ventral
Dorsal
Caudal



1 Spinal cord
2 Conus medullaris
3 Abdominal aorta
4 Ligamentum flavum
5 Lumbar vertebral body L1
6 Spinous process L1
7 Intervertebral disk L1/L2 (nucleus pulposus)
8 Interspinous ligament
9 Anterior longitudinal ligament
10 Supraspinous ligament
11 Intervertebral disk L2/L3 (annulus fibrosus)
12 Cauda equina
13 Basivertebral vein
14 Epidural fatty tissue
15 Left common iliac vein
16 Posterior longitudinal ligament
17 Sacral canal
18 Thecal sac (lumbar cistern)
19 Promontory of sacrum
20 Dura mater
21 Sacrum (S1)
22 Median sacral crest

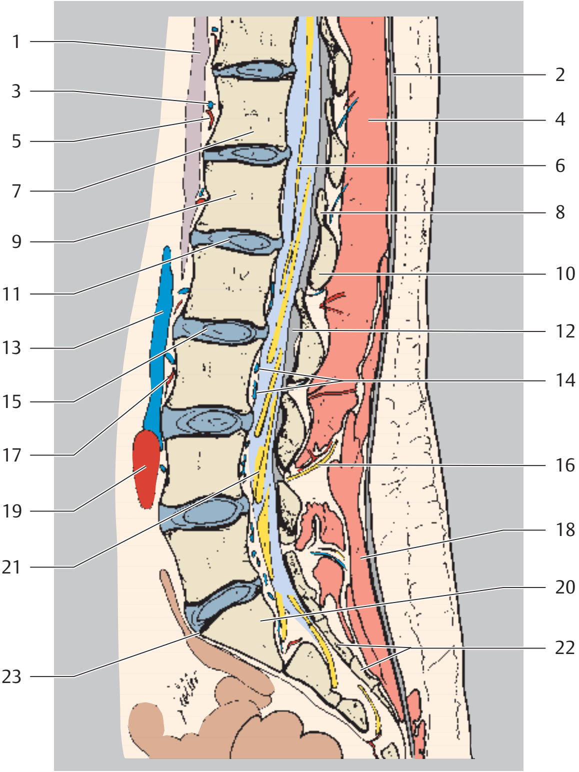




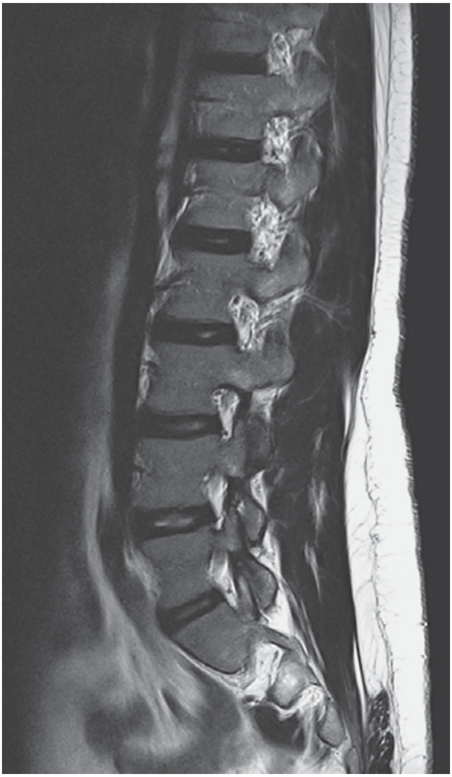
Cranial

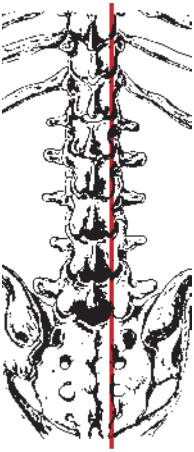
Ventral ☐ Dorsal

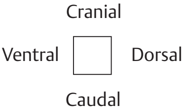
Caudal

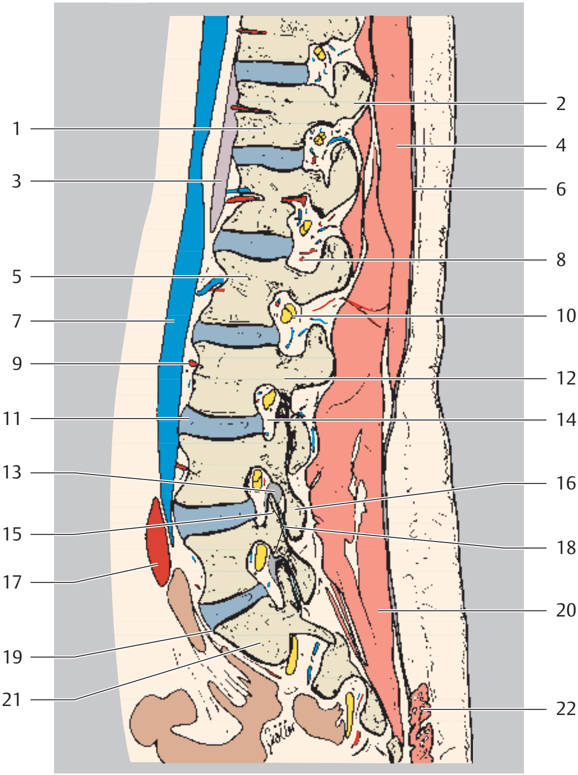


1	Diaphragm (lumbar part)	12	Ligamentum flavum
2	Thoracolumbar fascia	13	Inferior vena cava
3	Anterior external vertebral venous plexus	14	Anterior internal vertebral venous plexus
4	Erector spinae muscle (spinalis muscle)	15	Intervertebral disk L2/L3 (anulus fibrosus)
5	Posterior intercostal artery	16	Lumbar artery and nerve (medial cutaneous branch of dorsal branch)
6	Nerve filaments	17	Lumbar artery
7	Thoracic vertebral body T12	18	Multifidus muscle
8	Superior articular process	19	Common iliac artery
9	Lumbar vertebral body L1	20	Sacrum (S1)
10	Posterior vertebral arch (lamina)	21	Spinal ganglion
11	Intervertebral disk L1/L2 (nucleus pulposus)	22	Median sacral crest
		23	Promontory of sacrum

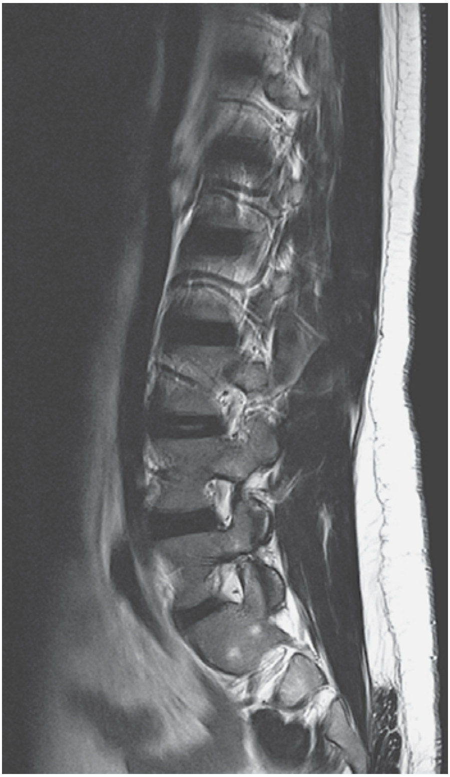


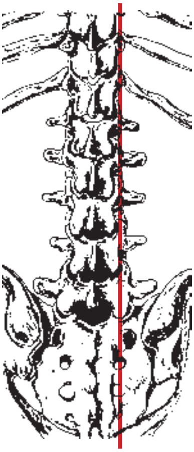



Cranial
Ventral
Dorsal
Caudal



1 Thoracic vertebral body T12
2 Mamillary process
3 Diaphragm (lumbar part)
4 Erector spinae muscle (spinalis muscle)
5 Lumbar vertebral body L2
6 Thoracolumbar fascia
7 Inferior vena cava
8 Spinal branch of lumbar artery (dorsal branch)
9 Posterior intercostal artery
10 Spinal ganglion L2
11 Intervertebral disk L3/L4 (nucleus pulposus)
12 Posterior vertebral arch (lamina)
13 Ligamentum flavum
14 Intervertebral foramen
15 Superior articular process
16 Inferior articular process
17 Common iliac artery
18 Zygapophyseal joint
19 Promontory of sacrum
20 Multifidus muscle
21 Sacrum (S1)
22 Gluteus maximus muscle

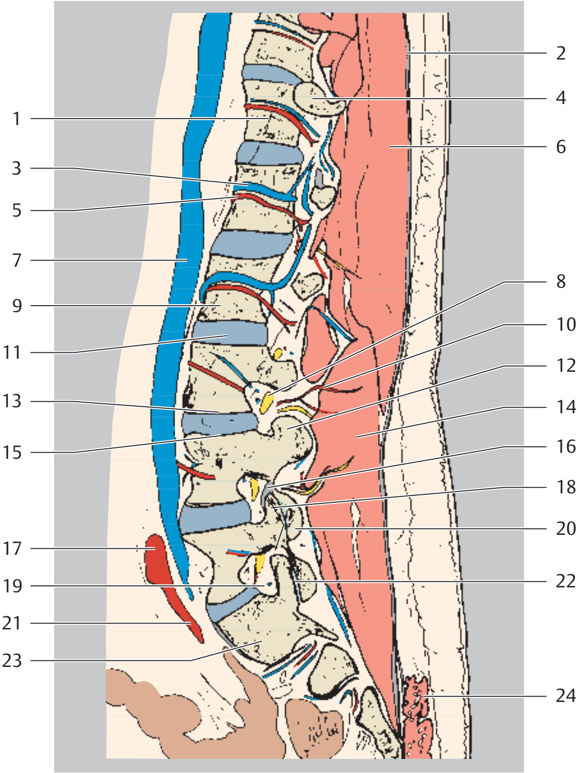




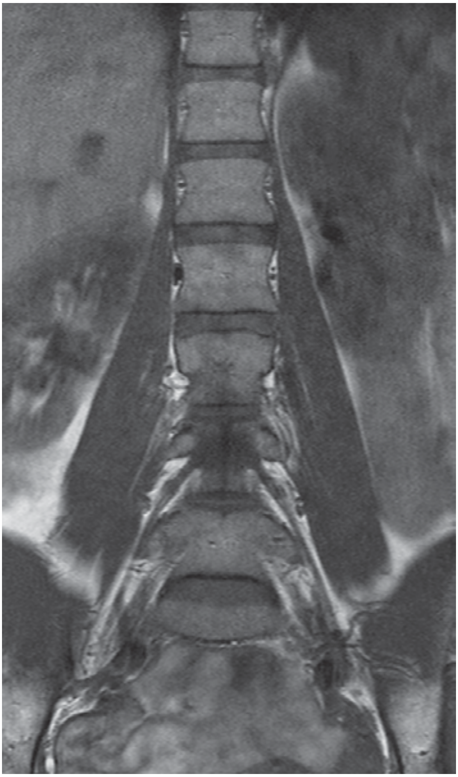
Cranial

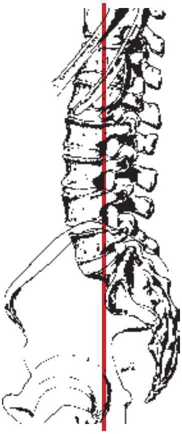
Ventral ☐ Dorsal

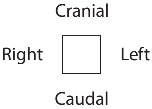
Caudal

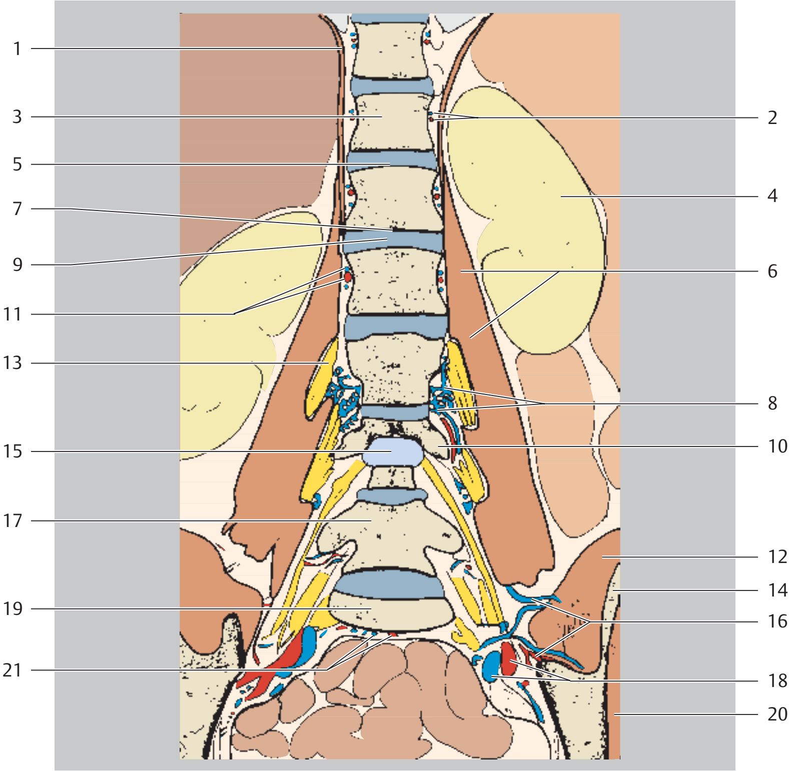


1	Thoracic vertebral body T12	13	Inferior vertebral endplate
2	Thoracolumbar fascia	14	Multifidus muscle
3	Lumbar vein	15	Superior vertebral endplate
4	Rib (head)	16	Ligamentum flavum
5	Lumbar artery	17	Common iliac artery
6	Erector spinae muscle (spinalis muscle)	18	Superior articular process
7	Inferior vena cava	19	Intervertebral foramen
8	Spinal nerve L3	20	Inferior articular process
9	Lumbar vertebral body L2	21	Internal iliac artery
10	Lumbar artery (dorsal branch)	22	Zygapophyseal joint
11	Intervertebral disk	23	Sacrum (S1)
12	Transverse process	24	Gluteus maximus muscle

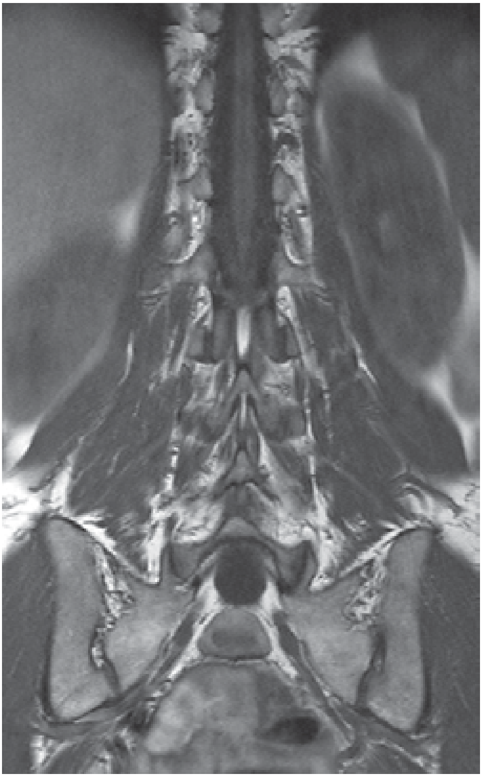


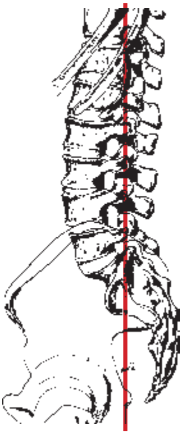


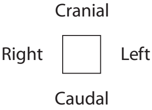

Cranial
Right
Left
Caudal



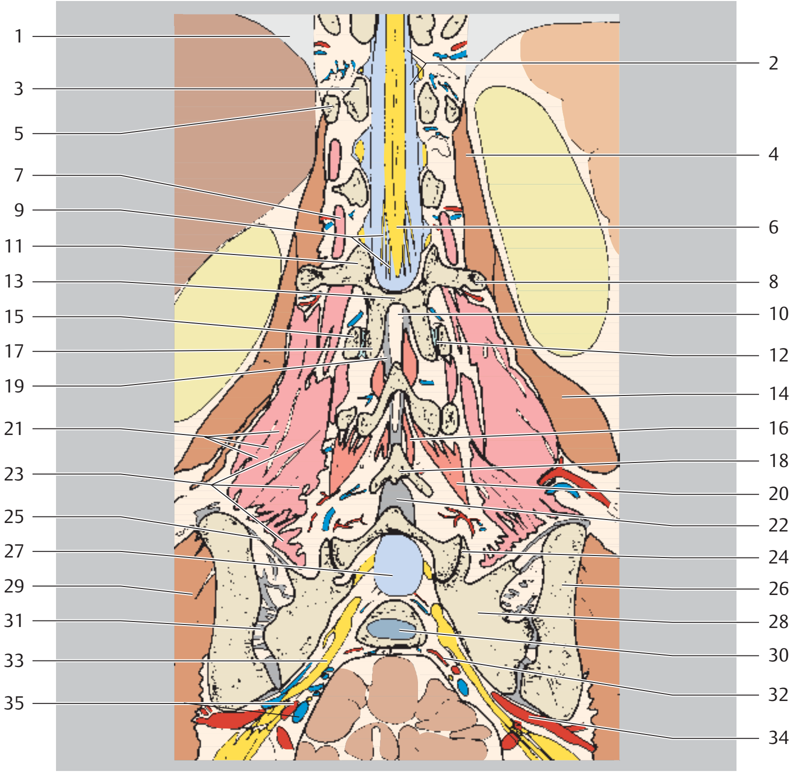
1	Diaphragm (lumbar part)	10	Transverse process L4
2	Posterior intercostal artery and vein	11	Lumbar artery and vein
3	Thoracic vertebral body T12	12	Iliacus muscle
4	Left kidney	13	Lumbar plexus
5	Superior vertebral endplate L1	14	Ilium
6	Psoas major muscle	15	Thecal sac (lumbar cistern)
7	Inferior vertebral endplate L1	16	Iliolumbar artery and vein
8	Anterior external vertebral venous plexus	17	Lumbar vertebral body L5
9	Intervertebral disk L1/L2 (anulus fibrosus)	18	Internal iliac artery and vein
		19	Promontory of sacrum
		20	Gluteus medius muscle
		21	Median sacral artery and vein



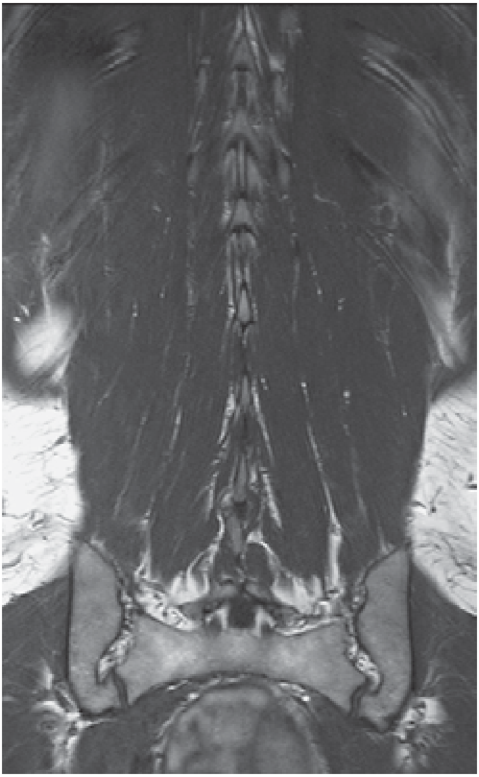


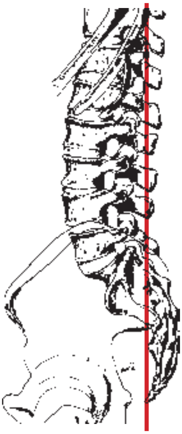

Cranial
Right
Left
Caudal

1 Right lung
2 Cerebrospinal fluid in thecal sac (lumbar cistern)
3 Pedicle of vertebral arch T12
4 Psoas major muscle
5 Twelfth rib (head)



6 Conus medullaris
7 Intertransversarius muscle
8 Transverse process L2
9 Cauda equina
10 Posterior epidural fat (retrospinal fat, dorsal fat)
11 Posterior vertebral arch L2 (lamina)
12 Zygapophyseal joint
13 Pedicle of vertebral arch L2
14 Quadratus lumborum muscle
15 Superior articular process L3
16 Interspinalis muscle
17 Inferior articular process L2
18 Spinous process L4
19 Ligamentum flavum
20 Multifidus muscle
21 Iliocostalis lumborum muscle
22 Interspinous ligament
23 Longissimus muscle
24 Lumbosacral zygapophyseal joint L5/S1
25 Sacroiliac ligaments
26 Ilium
27 Thecal sac (lumbar cistern)
28 Sacrum (lateral mass)
29 Gluteus medius muscle
30 Intervertebral space S1/S2
31 Sacroiliac joint
32 Lateral sacral artery and vein
33 Sacral plexus
34 Superior gluteal artery
35 Internal iliac artery and vein

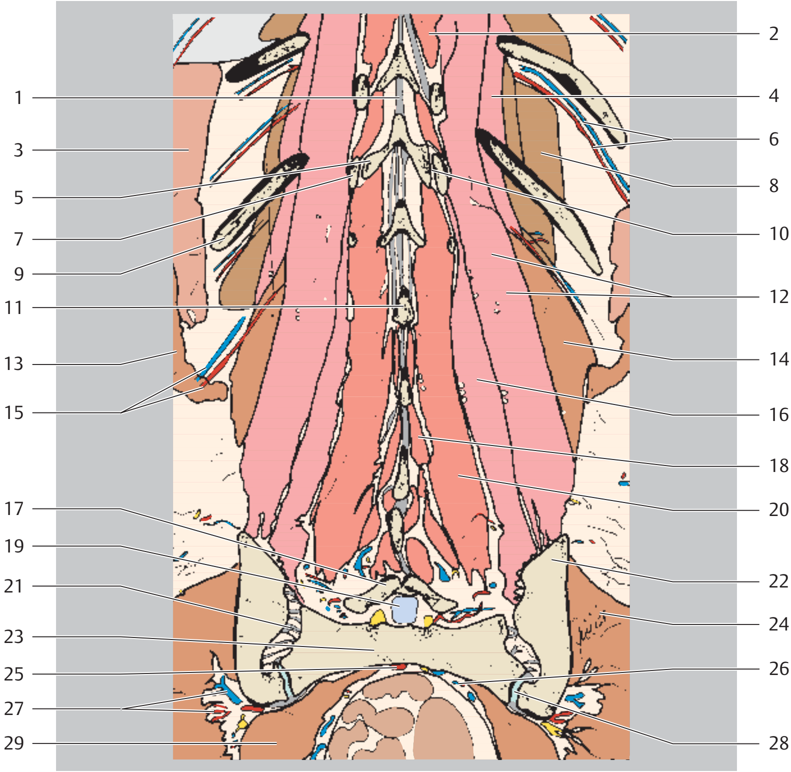




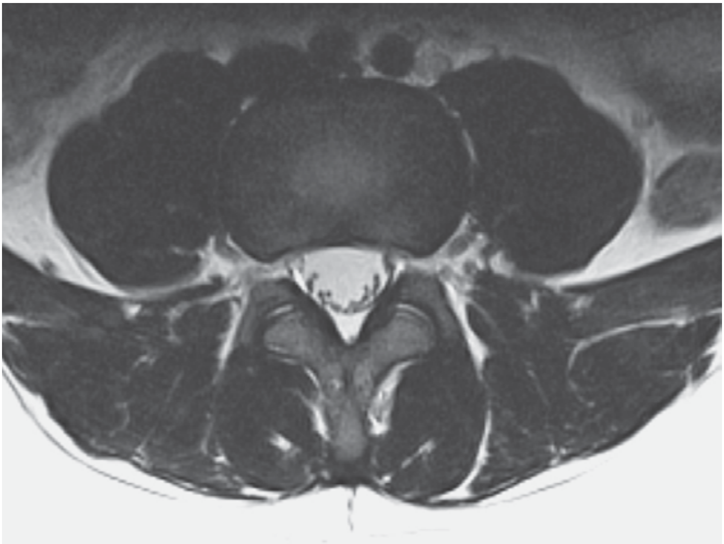
Cranial

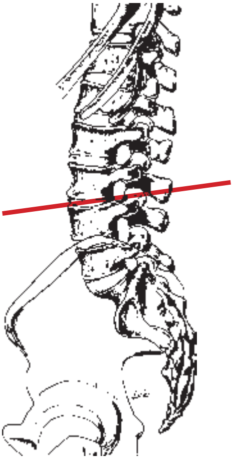
Right Left

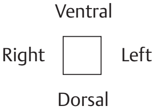
Caudal

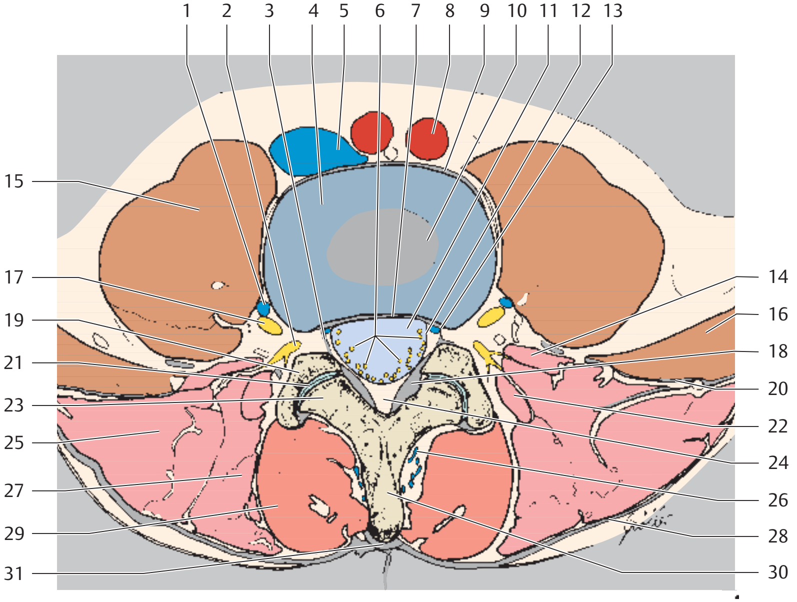


1 Interspinous ligament
2 Spinalis thoracis muscle and rotatores thoracis muscles
3 Serratus anterior muscle
4 Levatores costarum muscles
5 Inferior articular process T12
6 Posterior intercostal artery and vein
7 Superior articular process L1
8 Intercostal muscles
9 Eleventh rib
10 Zygapophyseal joint
11 Spinous process L2
12 Iliocostalis lumborum muscle
13 Latissimus dorsi muscle
14 Quadratus lumborum muscle
15 Lumbar artery and vein
16 Longissimus muscle
17 Posterior vertebral arch S1 (lamina)
18 Interspinales lumborum muscles
19 Cerebrospinal fluid in thecal sac (lumbar cistern)
20 Multifidus muscle
21 Sacroiliac ligaments
22 Ilium
23 Sacrum
24 Gluteus medius muscle
25 Median sacral artery and vein
26 Lateral sacral artery and vein
27 Superior gluteal artery and vein
28 Sacroiliac joint
29 Piriformis muscle

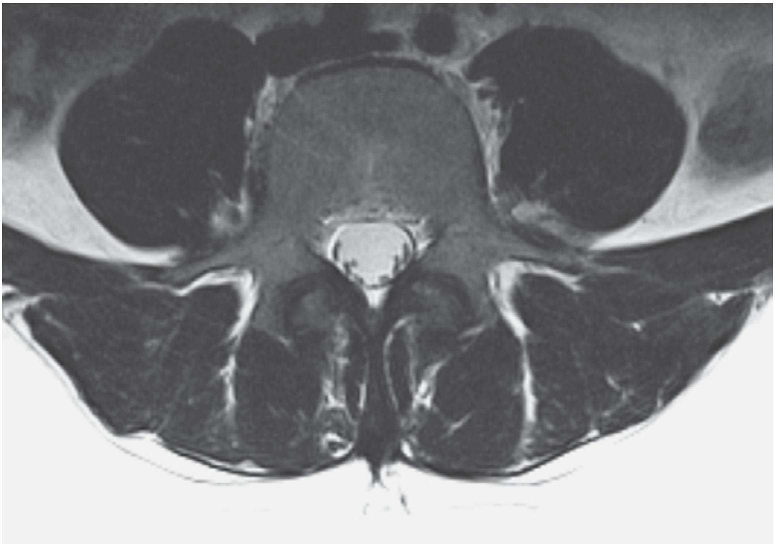


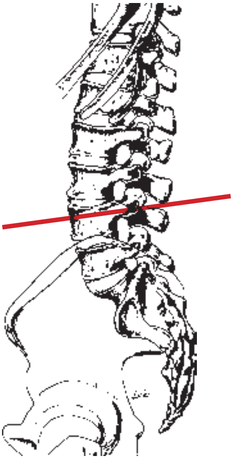


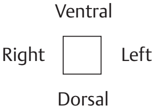

Ventral
Right
Left
Dorsal

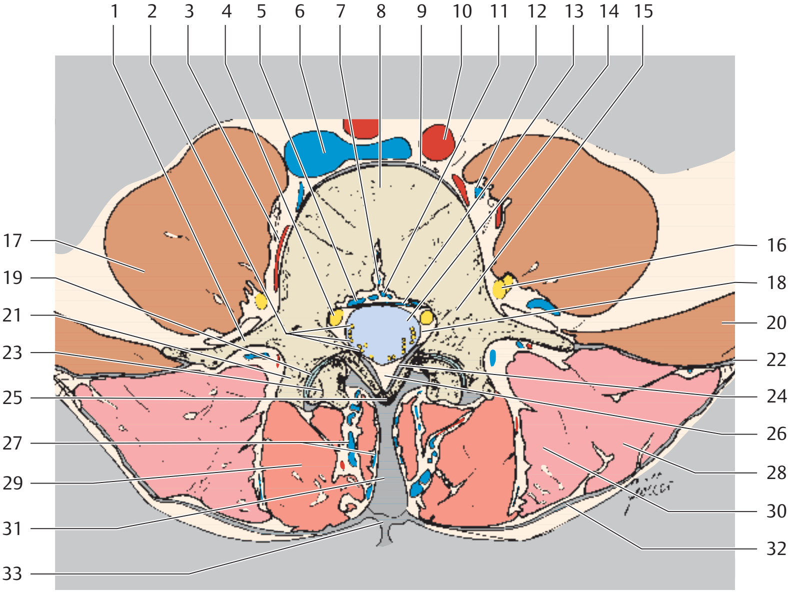


1	Lumbar vein	18	Ligamentum flavum
2	Spinal nerve (dorsal ramus)	19	Inferior articular process
3	Neuroforaminal ligament	20	Thoracolumbar fascia (anterior layer)
4	Intervertebral disk L3/L4 (anulus fibrosus)	21	Zygapophyseal joint
5	Inferior vena cava (confluence)	22	Erector spinae muscle (lateral tract: intertransversarii mediales muscles)
6	Nerve filaments	23	Superior articular process
7	Posterior longitudinal ligament	24	Epidural fatty tissue (retrospinal/dorsal fatty triangle)
8	Left common iliac artery	25	Erector spinae muscle (lateral tract: iliocostalis lumborum muscle)
9	Anterior longitudinal ligament	26	Posterior external vertebral venous plexus
10	Intervertebral disk L3/L4 (nucleus pulposus)	27	Erector spinae muscle (lateral tract: longissimus muscle)
11	Thecal sac (lumbar cistern)	28	Thoracolumbar fascia (posterior layer)
12	Spinal dura mater	29	Erector spinae muscle (medial tract: multifidus muscle)
13	Internal vertebral venous plexus	30	Spinous process
14	Erector spinae muscle (lateral tract: intertransversarii laterales muscles)	31	Supraspinous ligament
15	Psoas major muscle		
16	Quadratus lumborum muscle		
17	Spinal ganglion L3		

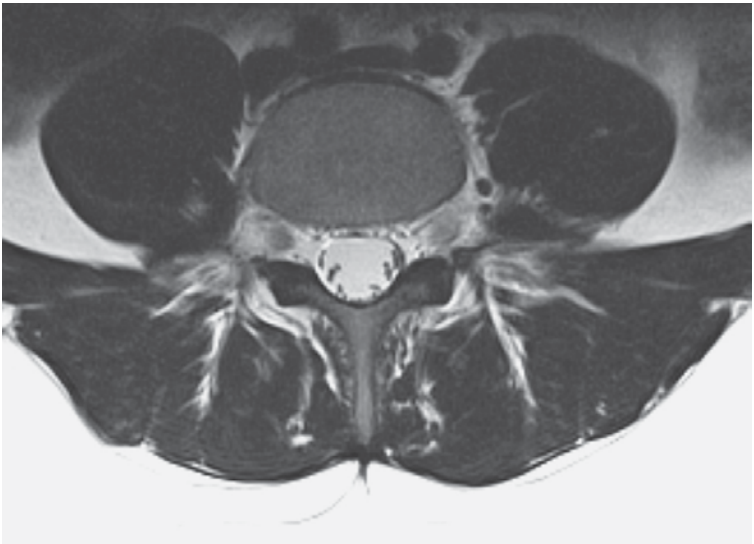


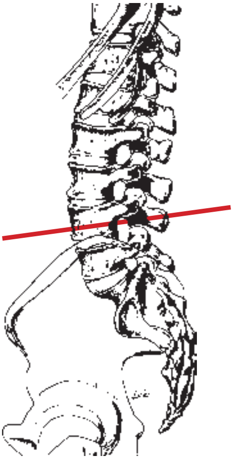



Ventral
Right
Left
Dorsal



1	Costal process	20	Quadratus lumborum muscle
2	Nerve filaments	21	Superior articular process
3	Lumbar artery	22	Thoracolumbar fascia (anterior layer)
4	Spinal ganglion in lateral recess L4	23	Inferior articular process
5	Anterior internal vertebral venous plexus	24	Ligamentum flavum
6	Inferior vena cava (confluence)	25	Posterior vertebral arch (lamina)
7	Nutrient foramen	26	Epidural fatty tissue (retrospinal/dorsal fatty triangle)
8	Lumbar vertebral body L4	27	Posterior external vertebral venous plexus
9	Anterior longitudinal ligament	28	Erector spinae muscle (lateral tract: iliocostalis lumborum muscle)
10	Left common iliac artery	29	Erector spinae muscle (medial tract: multifidus muscle)
11	Basivertebral vein	30	Erector spinae muscle (lateral tract: longissimus muscle)
12	Ascending lumbar vein	31	Interspinous ligament
13	Posterior longitudinal ligament	32	Thoracolumbar fascia (posterior layer)
14	Thecal sac (lumbar cistern)	33	Supraspinous ligament
15	Interarticular portion L4		
16	Spinal ganglion L3		
17	Psoas major muscle		
18	Spinal dura mater		
19	Zygapophyseal joint		

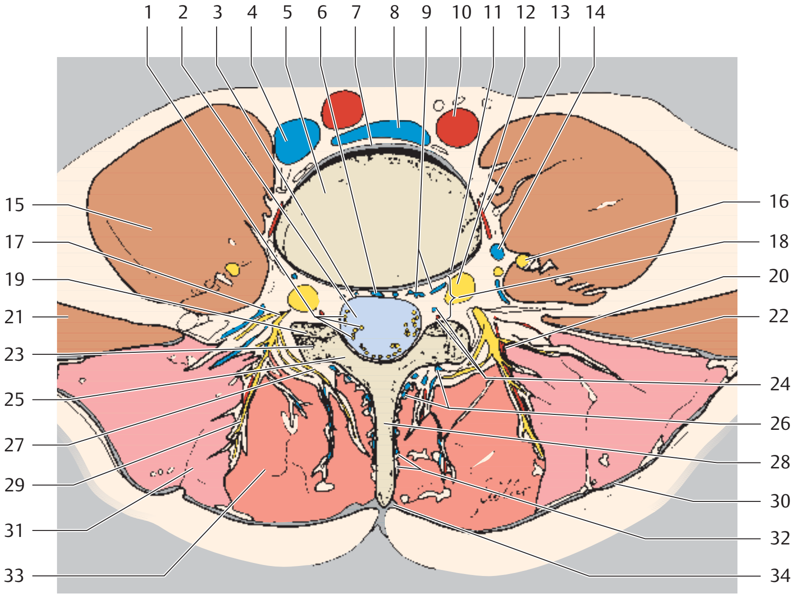




Ventral

Right Left

Dorsal



1 Nerve filaments
2 Thecal sac (lumbar cistern)
3 Spinal dura mater
4 Right common iliac vein
5 Lumbar vertebral body L4
6 Basivertebral vein
7 Anterior longitudinal ligament
8 Left common iliac vein
9 Anterior internal vertebral venous plexus
10 Left common iliac artery
11 Posterior longitudinal ligament
12 Spinal ganglion L4
13 Lumbar artery
14 Ascending lumbar vein
15 Psoas major muscle
16 Spinal ganglion L3
17 Spinal nerve (dorsal branch)
18 Intervertebral foramen
19 Zygapophyseal joint
20 Lumbar artery (lateral cutaneous branch of dorsal branch)
21 Quadratus lumborum muscle
22 Thoracolumbar fascia (anterior layer)
23 Inferior articular process
24 Radicular artery and vein
25 Posterior vertebral arch (lamina)
26 Posterior external vertebral venous plexus
27 Spinal nerve (medial dorsal branch)
28 Spinous process
29 Spinal nerve (lateral dorsal branch)
30 Thoracolumbar fascia (posterior layer)
31 Erector spinae muscle (lateral tract: iliocostalis lumborum et longissimus muscles)
32 Paraspinal fatty tissue
33 Erector spinae muscle (medial tract: multifidus muscle)
34 Supraspinous ligament

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